LIMA LOCOMOTIVE WORKS
INCORPORATED

LIMA, OHIO, U. S. A.

Direct Locomotive
CARD INDEX

Class 0-8-0 Dept. DRAWING ROOM

AKRON CANTON & YOUNGSTOWN R. R.

2 ENGINES

ORDER No.	SHOP NUMBERS	DATE	DRAUGHTSMAN
CO-1088	7075 & 7076	2-25 1926	S.K. HARRIS
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		19	
		19	
		19	

FORM LED. 30

CO-1088

INDEX TO CLASSIFICATION OF DRAWINGS

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96	Whistle and Rigging.
97	Preliminary Designs and Propositions.
98	Clearance and Wheels Base Diagrams.
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ADDITIONS AND CHANGES

ADDITIONS TO BE MADE IN BLACK INK AND CHANGES IN RED INK

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"	5	35-41-42-43-44-45	"
"	5	46-47-48-49-50-54-60	b
"	6	6-7-8-9-25-26	S
"	19	49	S
"	50	28-29	S
"	23	12-13	S
"	40	2-17	S
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" " "	25	43 TO 48 INC. 50	S
3-31-26	28	16	S
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" " "	50	23-31-32-	S
" " "	7	3	S
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" " "	20	11	S
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" " "	37	46 TO 52 INC.	S
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" " "	47	4	S
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" " "	37	53-54	S
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" " "	28	45-46-47	S
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4-14-26	41	11-12-15-[redacted]13	D ✓
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4-14-26	25	32-33-34-35-36	S
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" " "	35	46	S
" " "	36	57-58-59-7-8-49-50-51	S
" " "	20	20	S
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" " "	39	1-4-25-26	S
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" " "	50	45-46-49-50-55-59-60-61	S
" " "	51	6-7-8-9-15-16-17-18-19-20	S
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" " "	13	7	S
" " "	37	1-2-3-5-6-7	S

ADDITIONS AND CHANGES

ADDITIONS TO BE MADE IN BLACK INK AND CHANGES IN RED INK

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" " "	36	1	X	S
" " "	39	16		S
4-23-26	40	21		S
4-27-26	6	19		S
" " "	30	54		S
" " "	44	5-6-7-8		S
4-28-26	27	41-42-43		SD
4-29-26	15	29		"
" " "	32	54		S
" " "	47	14-15		S
" " "	8	33		S
" " "	28	44		S
5-4-26	8	25		SD
5-5-26	32	20		S
" " "	28	27		S
" " "	7	44-45-46-47-48-49		SD
" " "	11	57		"
" " "	31	56		"
" " "	40	1		"
" " "	19	38		"
" " "	27	58		"
5-14-26	7	50		S
" " "	43	45		S

Date	ITEMS	Check

Date	ITEMS	Check

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 10—ASH PAN								
P	1	Ash ~~Dir~~ Pan	1	106-D-3	PLATE MAT'L ORD. IN P.D.	—	—	—	—	—
	2	" " Material Bill	—							
P	3	" " Hopper DOOR PIECE	2	103-A-2	—	—	—	10-149	—	—
	4	" " "	—							
P	5	" " Door	2	102A4	—	—	10-150	—	—	—
P	6	" " " Links	4	103D6	—	10A12	—	—	—	—
	7	" " " Frame	—	~~103-A~~	—	—	—	—	—	—
P	8	" " ~~Damper~~ DOOR LINKS	4	103D6	—	10A11	—	—	—	—
P	9	" " ~~Door~~ Rigging	1-SET	103D6	FURNISH COTTERS TAPER PINS, CHAIN ETC	—	—	—	—	—
	10	" " " Handle	—							
	11	" " " Crank	—							
P	12	" " " DOOR RIGGING PINS.	1-SET.	103D6	TURNED	—	—	—	—	—
	13	" " " Hinge	—							
P	14	" " " DOOR STOP PINS.	4	103D6	TURNED	—	—	—	—	—
	15	" " " Hanger	—							
P	16	" " " DOOR SHAFT BEARING R.H.	1	103D6	MAT. ORD IN P.D PLATE.	—	—	—	—	—
	17	" " " Lug	—							
	18	" " " "	—							
	19	" " " Lever	—							
	20	" " " Latch	—							
	21	" " " Rod	—							
	22	" " " "			FURNISH TAPER PINS KEYS ETC.					
P	23	" " " Shaft	1	102-A-143	MAT. ORD IN. P.D.	3" 1/4 DIA X 7 7/16" SAWED ENDS	—	—	—	—
	24	" " " " Bearing								
P	25	" " Slide ARM.	2	102A143	—	10-A-10	—	—	—	—
	26	" " " Rigging	—							
P	27	" " " Rod	1R 1L	103D6	—	10-C-7	—	—	—	—
	28	" " " "								
P	29	" " " Jaw	2	103D6	—	10A16	—	—	—	—
P	30	" " " ~~Frame~~ ROD CHECK LENGTH FOR FUTURE	2	103D6	—	10 C 15	—	—	—	—
	31	" " Operating Shaft	—							
	32	" " " " Arms	—							
P	33	" " Shaft Bearing L.H.	1	102-B-60	MAT. ORD. IN P.D PLATE.	—	—	—	—	—
P	34	" " Hand Lever	1	103D6	—	10-A-13	—	—	—	—
P	35	" " " " Stop	1	102-B-60	—	10 A 32	—	—	—	—
P	36	" " Lock Pin	1	522J428	ATTACH TO CHAIN.	522J428	—	—	—	—
	37	" " Operating Cyl.	—							
	38	" " " " Heads	—							
	39	" " Piston	—							
	40	" " " Rod	—							
	41	" " " Follower	—							
	42	" " " Rings	—							
P	43	" " Supports	4	103D6	—	10-B-17	—	—	—	—
P	44	" " "	2	" "	—	10-A-34	—	—	—	—
P	45	" " ~~Swipe~~ " Manifold	1	" "	—	10-A 33	—	—	—	—
	46	" " Cinder Box	—							
	47	" " " " Cover	—							
	48	" " Brick Work	—							
P	49	" " LOCK ARMS	1	102A143	—	10A9	—	—	—	—
	50									
	51									
	52	**GROUP 11—AXLES**								
P	53	Axle, Driving—Main	1	112-A-16	ROUGH TURNED ORDER IN P.D.	11-MO-9	—	—	—	—
P	54	" " —F. I. & B.	3	112-A-15	ROUGH TURNED ORDER IN P.D.	11-MO-8	—	—	—	—
	55	" "	—							
P	56	" " —Key	1 SET	TO SUIT						
	57	" Engine Truck	—							
	58	" " " —Collar	—							
	59	" Trailing "	—							
P	60	" Marking	1 SET	LIMA STANDARD	—	—	—	—	—	—
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 12—BELL								
	1	Bell	1	122-A-3	—	—	—	—	12-150	—
	2	" Clapper	1	FURNISHED WITH BELL RINGER		—	—	—	—	—
	3	" " Jaw	—							
	4	" Stand	1	123-E-1	—	—	12-161	—	—	—
	5	" Crank	1	123-E-1	—	—	—	12-153	—	—
	6	" Washer	1	123-E-1	2 7/8" DIA. BY 1/8" THICK FORGED SIZE	—	—	—	—	—
	7	" Yoke	1	123-E-1	—	—	12-159	—	—	—
	8	" " Nut	1	123-E-1	7/8" STD. FIN. SIZES	—	—	—	—	—
	9	" " Shaft	1	123-E-1	1 3/8" DIA. X 4 11/16" LONG.	—	—	—	—	—
	10	" " Jaw Stem	—							
	11	" Ringer	1	TRANSPORTATION DEVICES CORPORATION B-928	ORD. IN P. D.	—	—	—	—	—
	12	" " Operating Valve NATHAN	1	ORD. IN P.D	3/8" GLODE					
	13	" ~~Bracket~~ STAND BASE	1	123-E-1	—	—	12-177	—	—	—
	14	" Rope Eye	—							
	15	" " Thimble	1	122-A-4	—	—	—	—	—	—
	16	" " Guide	—							
	17	" " " Roller	—							
	18	" " Pulley	—							
	19	" " " Hanger	—							
	20									
	21	Gong	—							
	22									
	23									
	24									
	25									
	26									
	27									
	28	**GROUP 13—BOILER**								
	29	Boiler Plan	1	138A58	—	—	—	—	—	—
	30	" Sections	1	134A13	—	—	—	—	—	—
	31	" Material Bill	1-SET	13M0190A	ORD. IN P.D.	—	—	—	—	—
	32	" Stay Bill	1-SET	13M010Z	" " "	—	—	—	—	—
	33	" Test Pressure, Water		250#						
	34	" " " Steam		240#						
	35	" Working "		175#						
	36									
	37									
	38									
	39	**GROUP 14—BOILER DETAILS**								
	40	Boiler Bracing	—							
	41	" Brace Rod Chain JAWS.	18	142A11	FURNISH BOLTS.	14A8	—	—	—	—
	42	" " " " "	18	142A11	"	14A5	—	—	—	—
	43	" " " " "	2	142A81	"	14A45	—	—	—	—
	44	" " " " "	2	142A81	"	14C6	—	—	—	—
	45	" " " " "	10	142A13	"	14B6	—	—	—	—
	46	" " " JAWS.	10	142A13	"	14D6	—	—	—	—
	47	" " " LUGS.	10	142A13	—	14A9	—	—	—	—
	48	" " " " "	18	142A11	—	14A7	—	—	—	—
	49	" " " " "	2	142A81	—	14A46	—	—	—	—
	50	" " " LUGS.	2	142A81	—	14A9	—	—	—	—
	51	" " " "	—							
	52	" " " "	—							
	53	" " " "	—							
	54	" Throat Brace	12	142A53	—	142A53	—	—	—	—
	55	" " "	—							
	56	" " " Lug	—							
	57	" " " "	—							
	58	" Crown Bars	—							
	59	" " Roof Irons	—							
	60	" Stay Bolt SCHEDULE	1-SET	132A68	—	132A68	—	—	—	—
	61	" " "	—							

(Group 14 Continued)

		TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 14—BOILER DETAILS (Cont.)								
	1	Boiler Radial Stay	—							
	2	" " "	—							
	3	" " " —Buttonhead	—							
	4	" Cross Stay	—							
	5	" " "	—							
✓	6	" Smoke Box Ring	1	138A58 ✓	—	14-5-88	—	—	—	—
✓	7	" Tube Sheet Ring	1	142A82 ✓	FURNISH STUDS	—	—	14-115 ✓	—	—
✓	8	" Fire Box Ring	1	143A21 ✓	—	—	—	14-116 ✓	—	—
✓	9	" " " " Corner K.	1-SET	143B22 ✓	—	—	—	—	—	—
	10	" " " " " B.	—							
	11	Boiler Tubes—Small	—							
	12	" Flues—Large	—							
	13	" Combustion Tubes	—							
	14	" Stoker Flues	—							
	15	" Tube Setting	—							
	16	" Flue "	—							
	17	" Combustion Tube Setting	—							
	18	" Stoker Flue Setting	—							
✓	19	" Test Plate	1	142-J-189	—	—	—	—	14-1-H	—
	20	"								
	21	"								
	22	" Cylinder Saddle (Mallet Engine)	—							
	23	" Bearing " " "	—							
	24	" Centering Device Saddle	—							
✓	25	" Waist Sheet Angle ~~or Tee~~ No. 1	2	138A58 ✓	—	14A32 ✓	—	—	—	—
✓	26	" " " " " No. 2	1	138A58 ✓	—	14A31 ✓	—	—	—	—
	27	" " " " " No. 3	—							
	28	" " " " " No. 4	—							
	29									
	30									
	31									
	32									
	33									
	34									
	35									
	36	**GROUP 15—BOLTS AND NUTS**								
	37									
	38									
	39									
	40									
	41									
	42									
	43									
	44									
	45									
	46									
	47	**GROUP 16—BOXES, DRIVING**								
✓	48	Box—Driving, Main	2	163-B-83	—	—	—	16-232-H	—	—
✓	49	" —Brass "	2	162-B-80	CASTING ORD IN P.D.	—	—	—	D.N. BRONZE 16-234	—
✓	50	" —Cellar "	2	ELVIN-FRANKLIN WITH SPREADERS ← 163-A-104	ORDER IN P.D.	—	—	—	—	—
✓	51	" — " Pin "	~~2~~ 4	163-B-83	—	16-A-1	—	—	—	—
✓	52	" —Driving FRONT, INT. & BACK	6	163-B-82	—	—	—	16-233-E	—	—
✓	53	" —Brass	6	162-A-80	CASTING ORD. IN P.D.	—	—	—	D.N. BRONZE 16-235	—
✓	54	" —Cellar	6	ELVIN-FRANKLIN WITH SPREADERS ← 163-B-104	ORDER IN P.D.	—	—	—	—	—
✓	55	" — " Pin	~~6~~ 6	163-B-82	—	16-A-1	—	—	—	—
	56	" —Driving	—							
	57	" —Brass	—							
	58	" —Cellar	—							
	59	" — " Pin	—							
✓	60	" —Brass, Plugs MAIN	4	163-B-83	STICK BRASS	—	—	—	—	—
✓	61	" " " F. INT. & BACK	12	163-B-82	" "	—	—	—	—	—

C-5-

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 16—BOXES, DRIVING (Cont.)								
	1	Box—Brass Plugs	—							
	2	" — " Pressed in Box (Tons)		LIMA STD,						
	3	" —Hub Liner (BRASS)	1 SET	CAST ON BOXES						
	4	" — " "	—							
	5	" — " "	—							
	6									
	7									
	8									
	9									
	10									
	11	**GROUP 17—BOXES, TRUCK**								
	12	Box—Engine Truck								
	13	" —Cellar, Engine Truck								
	14	" " Bolt " "								
	15	" —Brass " "								
	16									
	17	Box— Trailing Truck								
	18	" —Cellar " "								
	19	" —Binder " "								
	20	" — " Bolt " "								
	21	" —Brass " "								
	22	" —Lid " "								
	23	" " Spring " "								
	24	Box— Trailing Truck								
	25	" —Cellar " "								
	26	" —Binder " "								
	27	" — " Bolt " "								
	28	" —Brass " "								
	29	" —Lid " "								
	30	" " Spring " "								
	31									
	32									
	33									
	34									
	35									
	36	**GROUP 18—Brackets**								
	37	Air Gauge Stand	1	182-A-148	—	—	—	—	—	—
	38	" " " Bracket	1	" " "	—	18-A-27	—	—	—	—
	39	Feed Water Heater Gauge Stand	—							
	40	" " " " " Bracket	—							
	41	Pyrometer Gauge Stand	—							
	42	" " " Bracket	—							
	43	Steam Gauge Stand	1	183-D-1	—	—	18-361	—	—	—
	44	" " ~~Bracket~~ HOLDER	1 SET	182-A-157	—	—	—	—	—	—
	45	" " " ~~Pipe~~ " SCREW	1	182 B 157	½" IRON BAR	182-B-157	—	—	—	—
	46	~~Stoker Gauge~~ " " HOLDER	1	182-A-158	—	182-A-158	—	—	—	—
	47	" ~~Gauge Stand Bracket~~ " " CLAMP	1	182-B-158	—	182-B-158	—	—	—	—
	48	~~Intercepting Valve Gauge Bracket~~ " " " " LOCK	1	182-C-158	—	182-C-158	—	—	—	—
	49	" " " " SLIDER	1	182-D-158	—	182-D-158	—	—	—	—
	50	" " LAMP BRACKET	1	183-D-1	—	18-A-3	—	—	—	—
	51									
	52									
	53	**GROUP 19—BRAKE, OPERATING**	1 SET	19-M0-80	ORD. IN P. D	—	—	—	—	—
	54	Brake Valve								
	55	" " Body								
	56	" " Cap								
	57	" " Nut								
	58	" " Follower								
	59	" " Handle								
	60	" " Bracket—Automatic	1	PLATE	TO SUIT ERECT. SHOP	—	—	—	—	—
	61	" " " —Independent	1	" " " " "		—	—	—	—	—

(Group 19 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 19—BRAKE, OPERATING (Cont.)								
	1	Feed Valve Bracket	1	~~192-A-161~~ TO SHOP ← FUTURE	—	~~19A-20~~ 192-A-161	—	—	—	—
	2	Distributing Valve Bracket	2	192-A-6	—	~~192-A-6~~ 19-A-6	—	—	—	—
	3	Control " "	—							
	4									
	5	Brake Relief Valve	—							
	6	" " " Cap	—							
	7	" " " Stem	—							
	8	" " " Spring	—							
	9									
	10	Main Reservoir	2	—	20½ X 102 ORD. IN P.D.	—	—	—	—	—
	11	" "	—							
	12	" " Supports	4	193-D-3	—	—	—	19-35	—	—
	13	" " "	—							
	14	" " "	—							
	15	" " "	—							
	16	" " "	—							
	17	" " "	—							
	18	" " Blocks	—							
	19	" " Straps	4	193-D-3	—	19-C-2	—	—	—	—
	20	" " "	—							
	21	" " "	—							
	22	" " " U Bolts	4	193-D-3	—	19-C-4	—	—	—	—
	23	" " " " "	—							
	24	" " " " "	—							
	25	Air Turret	1	193-W-58	—	—	19-17	—	—	—
	26									
	27	Air Pump Bracket LAY OUT & CHANGE PATT. FOR FUTURE. SKH.	2	192-A-154	—	—	—	19-244	—	—
	28	" " "	—							
	29	" " " Brace	2	192-A-154	MAT'L. ORD. IN P.D.	19-B-97	—	—	—	—
	30	" " " "	—							
	31	" Pump Strainer Support	1	192-E-12	—	192-E-12	—	—	—	—
	32	" " " "	—							
	33	Equalizing Reservoir Support	2	192-B-108	FURNISH NUTS	192-B-108	—	—	—	—
	34									
	35									
	36	Air Pump Drip Pan	—							
	37	" " " "	—							
	38	" " " " Support	—							
	39	" " " " "	—							
	40									
	41									
	42									
	43	**GROUP 20—BRAKE, FOUNDATION**								
	44	Brake Arrangement (Foundation) COMPLETE	1 SET	AMER. BRAKE CO'S CARD# 547	ORDER IN P.D.	—	—	—	—	—
	45	" Bell Crank								
	46	" " " Fulcrum								
	47	" Shaft								
	48	" " Bearing								
	49	" " "								
	50	" " Arms								
	51	" " Handle								
	52	" Cam								
	53	" " Sleeve								
	54	" Beams								
	55	" "								
	56	" "								
	57	" Equalizer								
	58	" "								
	59	" "								
	60	" Fulcrums								
	61	" "								

(Group 20 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE, FOUNDAT'N (Cont.)								
	1	Brake Hangers								
	2	" "								
	3	" Levers								
	4	" "								
	5	" "								
	6	" Rods								
	7	" "								
	8	" "								
	9	" Adjusting Nuts								
	10	" " "								
	11	" Safety Straps								
	12	" " "								
	13	" Heads								
	14	" "								
	15	" Shoes								
	16	" "								
	17	" " Key								
	18	" " Spring								
	19	"								
	20	" Cylinder								
	21	" " Heads								
	22	" " "								
	23	" " Gland								
	24	" " " Nut								
	25	" " Support								
	26	" Piston								
	27	" " Rod								
	28	" " Follower								
	29	" " Rings								
	30	" Push Rod								
	31									
	32									
	33									
	34									
	35	**GROUP 21—BUMPERS** ARRANGEMENT	1 SET	213-A-62	—	—	—	—	—	—
	36	Bumper—Front	1	213-C-7	CASTING ORD. IN P.D.	—	—	—	—	—
	37	" Knees RIGHT	1	212-A-12	—	—	—	21-30	—	—
	38	" " LEFT	1	212-A-12	—	—	—	21-29	—	—
	39	" Brace								
	40	" "								
	41	" Push Pole Pocket								
	42	"								
	43	"								
	44	"								
	45	" Plate								
	46	" "								
	47	" " Support								
	48	" Scroll Iron								
	49	Bumper—Back								
	50	" Crosstie								
	51	" Brackets								
	52									
	53									
	54									
	55									
	56									
	57	**GROUP 22—CAB**								
	58	Cab	1	224-F-2	MAT'L. ORD IN P.D.	—	—	—	—	—
	59	" ~~Material Bill~~ FRONT	1	223-A-27	PLATE MAT'L. ORD. IN P.D.	—	—	—	—	—
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 23—CAB DETAILS								
	1	Cab Angle—Roof	5	224-F-2	ANGLE ORD. IN P.D.	224-F-2	—	—	—	—
	2	" Tee Iron	—							
	3	" Roof Brace	—							
	4	" Gutter	2	224-F-2	#24 GALV. IRON ORD. IN P.D.	—	—	—	—	—
	5	" Corner Iron	—							
	6	" " Bracket	—							
	7	" Window Frame	1 SET	224-F-2	—	—	—	—	—	—
	8	" " Slide								
	9	" " Stop								
	10	" " Shield								
	11	" " Sash Fixture								
	12	" " " "								
	13	" Storm Window Arrangement	2	PRIME #801	ORD. IN P.D.	—	—	—	—	—
	14	" " " Frame	—							
	15	" " " Sash	—							
	16	" " " Dog	—							
	17	"								
	18	" Door Frame	1 SET	224-F-2	—	—	—	—	—	—
	19	" " "								
	20	" " "								
	21	" " "								
	22	" " Fixture SLIDE ROD	2	232-A-19	½" DIA X 24" LONG	—	—	—	—	—
	23	" " " [redacted]" " BRACKET	4	232-A-19	—	—	—	—	23-92	—
	24	" " " Slide	2	232-A-19	—	—	—	—	23-93	—
	25	" " Clamp	2	232-A-19	—	—	—	—	23-91	—
	26	" " " [redacted] BRACKET	2	232-A-19	—	—	—	—	23-94	—
	27	" " [redacted] CLAMP ROD	2	232-A-19	—	23-A-9	—	—	—	—
	28	" " [redacted]" EYE BOLT	2	232-A-19	—	23-A-10	—	—	—	—
	29	" " Handle								
	30									
	31	Cab Ventilator—Centre	—							
	32	" " Rigging	—							
	33	" " Shaft	—							
	34	" " Arms	—							
	35	" " Rod	—							
	36	" " Handle	—							
	37	" " " Washer	—							
	38	" " Latch	—							
	39	" " " Fulcrum	—							
	40	" " Thumb Screw	—							
	41	" " Sides	2	232-A-25	MAT'L. ORD. IN P.D.	—	—	—	—	—
	42	" " Angle Sides	4	232-A-25	—	23-A-21	—	—	—	—
	43	" " " Ends	4	232-A-25	—	23-A-20	—	—	—	—
	44	" " Handles	2	232-A-25	—	23-A-19	—	—	—	—
	45	" " Bars	4	232-A-25	FORGED SIZES ⅜"x¾" x 24½" LONG	—	—	—	—	—
	46	" Bracket	1	233-J-12	PLATE MAT'L. ORD. IN P.D.	—	—	—	—	—
	47	" " Angle	1 SET	" "	ANGLE ORD. IN P.D.	—	—	—	—	—
	48	" Brace	—							
	49	" " Lug	—							
	50	" Saddle	2	223-A-27	MAT'L. ORD. IN P.D.	23-C-25	—	—	—	—
	51	" Firing Deck	1	232-A-36	PLATE ORD. IN P.D.	—	—	—	—	—
	52	" Apron	1	232-A-20	MAT'L. ORD. IN P.D. PLATE TO BE BUTTON PUNCHED IN OUR SHOP		—	—	—	—
	53	" " Hinge	4	232-A-16	—	—	—	23-87	—	—
	54	" " Link	2	232-A-20	—	23-A-8	—	—	—	—
	55	"	—							
	56	" Gangway Chain	—							
	57	" Arm Rest	2	232-B-23	MAT'L. ORD. IN P.D.	—	—	—	—	—
	58	" Seat (Engineer) COMPLETE	1	VAN DORN	ORD. IN P.D.	—	—	—	—	—
	59	" " Cushion "SEAT"	1	232-B-418	ORD. IN P.D.	—	—	—	—	—
	60	" " [redacted]" "BACK"	1	232-A-419	~~FURNISH~~ OIL CLOTH & MOSS	—	—	—	—	—
	61	" " Hinge	—							

(Group 23 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 23—CAB DETAILS (Cont.)								
	1	Cab Seat Rod	—							
	2	" " " Spring	—							
8	3	" " (Fireman) COMPLETE	1	VAN DORN	ORD. IN P.D.	—	—	—	—	—
8	4	" " Cushion "SEAT"	1	232-A-418	" " "	—	—	—	—	—
8	5	" " ~~Back~~ "BACK"	1	232-A-419	" " "	—	—	—	—	—
	6	" " Hinge								
	7	" " Rod								
	8	" " Spring								
	9	" " (Brakeman)								
	10	" " Cushion								
	11	" " Post								
	12	" " " Fulcrum								
	13	" " Hinge								
	14	" " Spring								
	15	" Clothes Box								
	16	" " " Hinge								
	17	" " " Hasp								
8	18	" Inspection Frame—Large	1	232-A-30	ORD. IN P.D. COMPLETE WITH GLASS	—	—	—	—	—
8	19	" " " —Small	1	232-A-29	ORD. IN P.D. COMP. WITH GLASS	—	—	—	—	—
	20	" " " —Location	—							
	21	" Train Order Hook	—							
	22	" Curtain—Back								
	23	" " Rod—Back								
	24	" " Hooks								
	25	" " Eye Bolts								
	26	" " Side								
	27	" " Rod, Side								
	28	" " Anchor Rod								
	29	" " "S" Hooks								
	30	" " Eye Bolts								
	31	" Awning								
	32									
	33									
	34									
	35									
	36									
	37									
	38									
	39									
	40									
	41									
	42	**GROUP 26—COCKS AND VALVES**								
	43	Angle Valve								
	44	" " Cap								
	45	" " Stem								
	46	" " Gland								
	47	" " Nut								
	48	" " Handle								
8	49	AIR PUMP STEAM VALVE	1	FURNISHED WITH BRAKE	IN TURRET	—	—	—	—	—
8	50	" " " "	2	1" GLOBE	ORD. IN P.D.	—	—	—	—	—
	51	Ash Pan Valve								
	52	" " " Cap								
	53	" " " Stem								
	54	" " " Gland								
	55	" " " Nut								
	56	" " " Handle								
8	57	AIR PUMP VALVE HANDLE EXTENSION	1	LENGTH TO SUIT. ERECT. SHOP.		—	—	—	—	—
8	58	Bell Ringer Valve	—	SEE PAGE 5 ITEM 12						
	59									
	60									
	61									

(Group 26 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont,)								
	1	Booster Drain Cock	—							
	2	" Throttle Valve	—							
	3	" Valve	—							
	4									
P	5	CYLINDER VACCUUM VALVE	2	1" GLOBE	ORD. IN P.D.	—	—	—	—	—
	6									
P	7	COAL SPRINKLER VALVE	1	1/2" FIXED HANDLE GLOBE	ORD. IN P.D.	—	—	—	—	—
	8									
	9									
P	10	Blower Valve IN TURRET	1	1 1/4" ANGLE	ORD. IN P.D.	—	—	—	—	—
P	11	" " [redacted] IN LINE	1	1 1/4" GLOBE	" " "	—	—	—	—	—
P	12	" [redacted] DRAIN VALVE	1	262-A-16	ORD. IN P.D.	—	—	—	—	—
	13	" " Gland	7							
	14	" " Nut								
	15	" " Handle								
	16									
P	17	Blow Off Cock "EVERLASTING"	2	2" FLANGED	ORD. IN P.D.	—	—	—	—	—
	18	" " " Cap								
	19	" " " Plug								
	20	" " " Nut								
	21	" " " Washer								
	22	" " " Handle								
D	23	" " " Joint Ring	1	792-P-48	—	—	—	—	79-110	—
	24	" " " Extension								
	25	" " " "								
	26									
P	27	Blow Off Valve ON SIDE OF DOME	1	NATHAN 1 1/2" GLOBE	ORD IN P.D.	—	—	—	—	—
	28	" " " Cap								
	29	" " " Stem								
	30	" " " Gland								
	31	" " " Nut								
	32	" " " Handle								
	33									
	34	Cab Heater Valve	—							
	35									
	36									
	37									
D	38	Coal Sprinkler Valve	1	1/2" GLOBE	ORD. IN P.D.	—	—	—	—	—
	39	" " " Cap								
	40	" " " Stem								
	41	" " " Gland								
	42	" " " Nut								
	43	" " " Handle								
	44									
P	45	Cylinder Cock Body	4	262-A-3	—	—	—	—	2664	—
	46	" " Shank	—							
P	47	" " Valve	4	262-A-3	—	262-A-3	—	—	—	—
	48	" " Nipple	—							
	49	Port Cock	7							
	50	" " Shank								
	51	" " Valve								
	52									
	53	Drip Valve	7							
	54	" " Cap								
	55	" " Stem								
	56	" " Gland								
	57	" " Nut								
	58	" " Handle								
	59									
	60									
	61									

(Group 26 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont.)								
	1	Dynamo Valve	1	1/2" ANGLE	ORD. IN P.D.					
	2	" " Cap								
	3	" " Stem								
	4	" " Gland								
	5	" " Nut								
	6	" " Handle								
	7	" " " EXTENSION	1	LENGTH TO SUIT ERECT. SHOP						
	8	Feed Water Heater Valve								
	9									
	10									
	11									
	12									
	13									
	14									
	15									
	16									
	17									
	18	Grate Shaker Valve								
	19	" " " Cap								
	20	" " " Stem								
	21	" " " Gland								
	22	" " " Nut								
	23	" " " Handle								
	24									
	25	Inj. Starting Valve	2	NATHAN	2 1/2" PIPE & 2 1/4" O.D. COPPER ORD. IN P.D.					
	26	" " " Cap								
	27	" " " Stem								
	28	" " " Gland								
	29	" " " Nut								
	30	" " " Handle								
	31	" " " Extension								
	32	" " " Flange								
	33									
	34	Lubricator Valve STEAM (IN TURRET)	1	3/4" ANGLE	ORD. IN P.D.					
	35	" " HEAT. TO MECH. LUB.	1	3/8" GLOBE	" " "					
	36	" " Stem								
	37	" " Gland								
	38	" " Nut								
	39	" " Handle								
	40	" " Extension								
	41									
	42	Oil Stock								
	43	" " Cap								
	44	" " Plug								
	45	" " Nut								
	46	" " Washer								
	47	" " Handle								
	48									
	49	Power Reverse Angle Valve IN TURRET	1	3/4" ANGLE	ORD. IN P.D.					
	50	" " [redacted] GLOBE VALVE	1	3/4" GLOBE	" " "					
	51	" " " " Stem								
	52	" " " " Gland								
	53	" " " " Nut								
	54	" " " " Handle								
	55									
	56	Power Reverse Cut Out Cock	1	3/4" W.A.B. Pc. # 2233	ORD. IN P.D.					
	57	" " HORIZONTAL CHECK	1	#72 CRANE	" " "					
	58									
	59									
	60									
	61									

(Group 26 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont.)								
O	1	Power Reverse [redacted] IN TURRET	1	3/4" ANGLE	ORD. IN P.D.	—	—	—	—	—
O	2	" " CUT OUT [redacted]	1	3/4" W.A.B. Pc. 2233	" " "	—	—	—	—	—
O	3	" " LINE " [redacted]	1	3/4" GLOBE	" " "	—	—	—	—	—
O	4	" " HORIZONTAL [redacted] CHECK	1	3/4" #72 CRANE	" " "	—	—	—	—	—
	5	" " " " Nut	—							
	6	" " " " Handle	—							
	7									
	8	Power Reverse 3-Way Cock	—							
	9	" " " " Bracket	—							
	10									
O	11	Steam Gauge Cock	1	3/8" POWELL	ORD. IN P.D.	—	—	—	—	—
	12	" " " Cap	—							
	13	" " " Plug	—							
	14	" " " Nut	—							
	15	" " " Washer	—							
	16	" " " Handle	—							
	17									
O	18	Test Gauge Cock	1	262-A-144	FURNISH BRASS CHAIN & RIVET	—	—	—	26-73	—
O	19	" " " Cap	1	" " "	—	—	—	—	STICK BRASS	—
O	20	" " " Plug	1	" " "	—	—	—	—	STICK BRASS	—
O	21	" " " Nut	1	" " "	—	—	—	—	STICK BRASS	—
O	22	" " " Washer	1	" " "	—	—	—	—	STICK BRASS	—
	23	" " " Handle	—							
	24									
O	25	Water Column Drain Valve	1	3/4" O'MALLEY BEARE	ORD. IN P.D.	—	—	—	—	—
O	26	" Gauge " "	1	3/8" " "	" " "	—	—	—	—	—
	27									
	28									
	29									
	30	Universal Joint								
	31	" "								
	32	" "								
	33	" "								
	34	" "								
	35	" "								
	36	" "								
	37									
	38									
	39									
	40									
	41									
	42									
	43									
	44									
	45									
	46									
	47	**GROUP 27—COCKS AND VALVES**								
O	48	Gauge Cock	3	INTEGRAL WITH WATER COLUMN		—	—	—	—	—
	49	" " Valve								
	50	" " Cap								
	51	" " Stem								
	52	" " Gland								
	53	" " Nut								
	54	" " Handle								
	55	" " Extension								
	56	" " Dripper								
	57									
O	58	Water Column "NATHAN TYPE WOA"	1	COMPLETE WITH GAUGE COCKS & DRIPPER	ORD. IN P.D.	—	—	—	—	—
O	59	" " Support	1	TO SUIT ERECT SHOP. PLATE		—	—	—	—	—
	60	" " Bottom Extension	—							
	61	" " " " Sleeve	—							

(Group 27 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 27—COCKS & VALVES (Cont.)								
	1	Water ColumnTop Extension	—							
	2	" " " " Sleeve	—							
	3	" " Extension Sleeve Nuts	—							
	4	" " Plug	—							
	5									
	6									
	7									
0	8	Water Gauge [redacted] NATHAN REFLEX	1	TYPE L #3 COMPLETE WITH ALL FITTINGS ORD. IN P.D.		—	—	—	—	—
	9	" " " Slip Joint								
	10	" " Upper Fitting								
	11	" " " " Cap								
	12	" " " " Valve								
	13	" " " " Stem								
	14	" " " " Gland								
	15	" " " " Nut								
	16	" " " " Washer								
	17	" " " " Handle								
	18	" " Lower Fitting								
	19	" " " " Cap								
	20	" " " " Valve								
	21	" " " " Stem								
	22	" " " " Gland								
	23	" " " " Nut								
	24	" " " " Washer								
	25	" " " " Handle								
	26	" " Glass								
	27	" " Guard								
	28	" " " Glass								
P	29	WATER COLUMN BOSS	1	272-~~A~~B-162	WELDED TO BOILER	272-~~A~~B-162	—	—	—	—
	30	" " Cock								
	31	" " " Valve								
	32	" " " Cap								
	33	" " " Stem								
	34	" " " Gland								
	35	" " " Nut								
	36	" " " Handle								
	37	" " " Extension								
	38									
	39									
	40									
	41									
	42									
	43									
	44	Valve Extension Handle Guide								
	45									
	46									
	47									
	48									
	49									
	50	**GROUP 28—COCK RIGGING**								
N	51	Blow-off Cock Rigging	1 SET	282-A-142	FURNISH PINS & COTTERS	—	—	—	—	—
P	52	" " " Arm	1	FURNISHED WITH BLOWOFF COCK			—	—	—	—
	53	" " " Crank	—							
	54	" " " Handle	—							
	55	" " " Lever	—							
N	56	" " " Rod	1	282-A-142	—	28-A-202	—	—	—	—
P	57	" " " ~~Plate~~ LOCK PLATE	1	282-A-142	—	—	—	—	—	—
	58	" " " Hanger	—							
	59	" " " Yoke	—							
	60	" " " Stop	—							
	61	" " " End	—							

(Group 28 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 28—COCK RIGGING (Cont.)								
	1									
	2									
✓	3	Cylinder Cock Rigging	1 SET	282-A-10	FURNISH PINS & TAPER PINS	—	—	—	—	—
✓	4	" " Arm R.H.	1	282-A-10	—	28-A-30	—	—	—	—
✓	5	" " " L.H.	1	282-A-10	—	28-A-37	—	—	—	—
✓	6	" " Lever IN CAB	1	282-B-5	—	—	—	28-22	—	—
✓	7	" " " Fulcrum	1	282-B-5	—	—	28-88	—	—	—
✓	8	" " Rod JAW	2	282-A-10	LENGTH OF ROD TO SUIT	28-A-17	—	—	—	—
	9	" " " Supports								
✓	10	" " Shaft	1	282-A-10	MAT'L. ORD. IN P.D. 1 5/8" DIA.					
✓	11	" " " ~~X~~s WASHERS	2	282-A-10	3" DIA. X 1" THICK					
	12	" " " Bearing								
✓	13	" " Slide Bar	2	282-A-10	—	28-A-36	—	—	—	—
✓	14	" " " " Connection	1-R 1-L	282-A-10	—	28-A-29	—	—	—	—
✓	15	" " ~~Trestle~~ ROD SUPPORT	2	TO SUIT ERECT. SHOP	—	TO SUIT ERECT. SHOP	—	—	—	—
	16	" " Operating Cylinder	—							
	17	" " " " Support	—							
	18									
	19									
	20									
	21									
	22									
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31									
	32									
	33	Main Reservoir Drain Cock Rigging								
	34	" " " " " Handle								
	35	" " " " " Support								
	36									
	37									
	38									
	39	Oil Cock Rigging								
	40	" " Arms								
	41	" " Lever								
	42	" " Rod								
	43	" " Shaft								
	44	" " " Hanger								
	45									
	46									
	47									
	48									
	49	**GROUP 29—CRANK PINS**								
✓	50	Crank Pin—Main	2	292-C-8	MAT'L. ORD. IN P.D.	29-D-7	—	—	—	—
✓	51	" " —F.	2	292-B-9	MAT'L. ORD. IN P.D.	29-A-8	—	—	—	—
✓	52	" " —Int.	2	292-B-10	MAT'L. ORD. IN P.D.	29-A-9	—	—	—	—
✓	53	" " —Back	2	292-C-10	MAT'L. ORD. IN P.D.	29-B-9	—	—	—	—
✓	54	" " DOWEL PINS INT. & BACK	4	292-B-10	—	—	—	—	—	—
✓	55	" " ~~Collars~~ Main " FRONT	2	292-B-9	—	—	—	—	—	—
✓	56	" " " —F.	2	292-B-9	—	29-A-10	—	—	—	—
✓	57	" " " —Int.	2	292-B-10	PLATE FIN SIZES 7" DIA. X 1/2" THICK	—	—	—	—	—
✓	58	" " " —B.	2	292-C-10	PLATE FIN SIZES 7 1/4" DIA. X 1/2" THICK	—	—	—	—	—
✓	59	" " Nuts INT. & BACK	4	292-B-10	FIN. SIZES 3 13/16" HEX. X 1 1/2" THICK	—	—	—	—	—
✓	60	Pressed Into Wheels (Tons)		LIMA STANDARD						
✓	61	Crank Pin Marking		" "						

(Group 29 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 29—CRANK PINS (Cont.)								
	1									
	2									
	3	**GROUP 30—CROSSHEAD** FITTED UP R&L	2	303-A-45	FURNISH BOLTS ETC.	—	—	—	—	—
	4	Crosshead—Body MACH. R. & L.	2	303-A-45	—	—	—	30-64	—	—
	5	" Wrist Pin	2	302-A-127	MAT'L. ORD. IN P.D.	30-M-3	—	—	—	—
	6	" " " Washer	2	302-A-127	—	30-D-2	—	—	—	—
	7	" " " ~~Bushing~~	2	302-A-127	PLATE - FIN. SIZES 5 1/4" DIA. X 3/8" THICK	—	—	—	—	—
	8	" " " Grease Plugs	—							
	9	" " " Nuts	2	302-A-127	3 7/8" HEX. X 1 1/4" THICK FIN. SIZES	—	—	—	—	—
	10	" Key	2	303-A-45	MAT'L. ORD. IN P.D.	30-A-1	—	—	—	—
	11	" Plate	—							
	12	" Arm	—							
	13	" " Bushing	—							
	14	" Shoe—Top	2	302-A-126	BRASS CAST IN	—	—	30-271	—	—
	15	" " —Bottom	2	302-~~A~~B-126	" " "	—	—	30-271	—	—
	16	" Wrist Pin Marking		LIMA STANDARD						
	17									
	18									
	19	**GROUP 31—CYLINDER** PAIRED	2	317-A-72	—	—	31-154-F HS-6251	—	—	—
	20	"								
	21									
	22	Cylinder Bushing	2	317-A-72	CASTING ORD. IN P.D.	—	HUNT SPILLER HS-6251	—	—	—
	23	" RELIEF VALVE BOSS PLUGS	2	662-A-19		See Page 40 Item 13			66-140	
	24									
	25									
	26									
	27									
	28	**GROUP 32—CYLINDER DETAILS**								
	29	Cylinder Head—Front	2	322-A-192	—	—	32-475	—	—	—
	30	" " —Back	2	323-A-29	—	—	—	32-234-B	—	—
	31	" " Cover—Front	2	322-L-10	PLATE, MAT'L. ORD. IN P.D.	—	—	—	—	—
	32	" " " —Back	2	322-L-10	PLATE, MAT'L. ORD. IN P.D	—	—	—	—	—
	33	Casing Clamp FIT UP ON BACK COVER	~~4~~ 8	322-A-119	—	—	—	—	32-300	—
	34	" Nut	—							
	35	Steam Chest Head—Front	2	324-A-2			32-167	—	—	—
	36	" " " —Back	2	324-A-2	323-A-4: CASTING ONLY.		—	32-157	—	—
	37	" " " Cover—Front	2	~~322-E-9~~ 322-A-197	PLATE MAT'L. ORD. IN P.D.	—	—	—	—	—
	38	" " " " —Back	2	~~322-E-9~~ 322-A-197	PLATE MAT'L. ORD. IN P.D.	—	—	—	—	—
	39	" " " " Clips								
	40	" " Bushing	4	322-L-7	—	—	32-158-A	—	—	—
	41	FEEDWATER PAD COVER PLATE	2	322-A-200	PLATE - FIN. SIZES 1" X 9 1/4" X 9 1/4"	—	—	—	—	—
	42	" " " " JOINT RING	2	322-A-200	—	79-777	—	—	—	—
	43									
	44	Valve Rod Crosshead Guide	8	324-A-2	—	—	32-168	—	—	—
	45	" " " " LINERS ~~Wearing Plate~~	8	324-A-2	3" X 1 5/8" X 1/16" PLATE	—	—	—	—	—
	46	" " " " "	8	324-A-2	3 5/8" X 1 5/8" X 1/16" PLATE	—	—	—	—	—
	47									
	48	Steam Chest	—							
	49	" " Caps	—							
	50	" " Balance Plates	—							
	51	" " Covers	—							
	52	" " Casings	—							
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 33—CYL. COMPOUND AT'CHM'TS								
	1	Intercepting Valve Arrangement								
	2	" " Chamber								
	3	" " " Cap								
	4	" " " "								
	5	" " " " Pack'g Ring								
	6	" " Snap Rings								
	7	" " " "								
	8	" " Bushing								
	9	" " Stem								
	10	" " " Nut								
	11	" " Spring								
	12	" " Lock Stud								
	13	" " Disc								
	14	" " Chamber Joint Ring								
	15	" " Pipe Flange								
	16	" " Bracket								
	17	" " Dash Pot								
	18	" " " " Piston								
	19	" " " " Head								
	20									
	21									
	22									
	23									
	24									
	25	Receiver Pipe Arrangements								
	26	" "								
	27	" " Sleeve								
	28	" " Flange								
	29	" " Ball Joint								
	30	" " " " Packing Flange								
	31	" " " " " Rings								
	32	" " " " " "								
	33	" " Straps								
	34	" " Supports								
	35	" "Y" Pipe								
	36	" " " Casing								
	37	" " " "								
	38	" " " "								
	39	" " " "								
	40	" " " "								
	41	" " " Joint Ring								
	42									
	43									
	44	Reducing Valve	—							
	45									
	46									
	47									
	48									
	49	Separate Exhaust Valve	—							
	50									
	51									
	52									
	53									
	54	Starting Valve	—							
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 34—CYL. BY-PASS & RELIEF VALVE								
	1	By-Pass Valve								
	2	" " Casing								
	3	" " Cap								
	4	" " Nut								
	5	" " Stem								
	6	" " Spring								
	7	" " Piston								
	8	" " Ring								
	9									
	10	Cyl. Head Relief Valve								
	11	" " " " Cap								
	12	" " " " Nut								
	13	" " " " Stem								
	14	" " " " Casing								
	15	" " " " Spring								
	16									
	17	Cyl. Relief Valve								
	18	" " " Cap								
	19	" " " Nut								
	20	" " " Stem								
	21	" " " Spring								
	22									
	23	St. Chest Relief Valve								
	24	" " " " Cap								
	25	" " " " Nut								
	26	" " " " Stem								
	27	" " " " Spring								
	28	" " Vacuum Valve		SEE PAGE 12 ITEM 5						
	29	" " " " Cap								
	30	" " " " Nut								
	31	" " " " Stem								
	32	" " " " Spring								
	33									
	34									
	35									
	36									
	37	**GROUP 35—DIE WORK**								
P	38	Flanging Dies	1-Set	352-A-202						
	39	GROUP 36 - DOME								
P	40	DOME SHUT-OFF VALVE NUT	1	363-B-17		363-B-17 FIN SIZES				
P	41	" " " " GLAND	1	363-D-17	STEEL FORGED	3½" DIA X 1" THICK				
P	42	" " " " STEM (OUTSIDE END)	1	363-E 17	STEEL	363-E-17				
P	43	" " " " GASKET	1	362-A-16	1/8" COPPER WIRE ORDER IN P.D.					
P	44	" " " " SUPPORT	1	362-A-120		91 36-A-153				
	45	GROUP 36—DOME								
P	46	Dome	1	362-A-120						
	47	" Flange	—							
P	48	" ~~GASKET~~	1	1/4" COPPER WIRE	ORD IN P.D.					
P	49	" Cap	1	362 H 9						
P	50	" Casing	1	362-A-121	PLATE MAT'L. ORD. IN P.D.					
P	51	" Shut Off Valve	1	363-D-17					36-113	
P	52	" " " " Cap	1	362-A-82			36-112			
P	53	" " " " Casing	1	363-A-16			36-111			
P	54	" " " " Stuffing Box	1	363-A-15			36-106			
P	55	" " " " Packing	1 SET	JOHNS MANVILLE	ORD. IN P.D.					
P	56	" " " " ~~Nut~~ NUT	1	363-A-15					36-107	
P	57	" " " " Gland	1	363-A-15					36-108	
P	58	" " " " Stem (INSIDE END)	1	363-A-17	FORGED STEEL	363-A-17				
P	59	" " " " Universal Joint	1	362-A-80				36-109		
P	60	" " " " ~~Handle~~	1	362-A-81				36-110		
P	61	" " " " HANDLE	1	262-A-92					26-240	

(Group 36 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 36—DOME (Cont.)								
	1									
	2									
	3									
	4	Auxiliary Dome	—							
	5	" " Cap	—							
	6	" " Casing	—							
	7									
	8									
	9	**GROUP 37—DRAWGEAR**								
8	10	Coupler—Front	1	NATIONAL MALL. CASTINGS CO. A.R.A. STD. "D" COUPLER-13786-H 6"X8" SHANK	ORD. IN P.D.	—	—	—	—	—
8	11	" Uncoupling Shaft	1	372-A-216		37-A-70	—	—	—	—
8	12	" " " Bracket	3	372-A-213	—	—	37-385	—	—	—
	13	" " " "	—							
	14	" " " Handle	—	372-A-12						
8	15	" ~~Pocket~~ POCKET 372-A-12	1	NAT'L. MALL. CAST'G. CO. PT. # 15349-C	ORD. IN P.D.	—	—	—	—	—
	16	Buffer—Front	—							
8	17	Drawbar—Between Eng. & Tender ✓	1	373-J-4	MAT'L. ORD. IN P.D.	37-A-72	—	—	—	—
8	18	" Pin ✓	1	372-B-9	—	372-B-9	—	—	—	—
8	19	Safety Bar ✓	1	373-J-4	MAT'L. ORD. IN P.D.	37-A-71	—	—	—	—
8	20	~~" Chain~~ UNCOUPLING CHAIN	1	NAT'L. MALL. CAST. CO. PT.# 12319-F	ORD. IN P.D.	—	—	—	—	—
8	21	~~" Chain~~ DRAW BAR PIN KEEPER ✓	1	473-F-8	PLATE-FORGED SIZES $\frac{1}{2}$"X7$\frac{1}{2}$"X9$\frac{3}{4}$"	—	—	—	—	—
	22	" " Clevis	—							
	23	" " Pin	—							
8	24	Radial Buffer (FRANKLIN RY. SUPPLY CO.)	1 SET	373-A-37	ORD. IN P.D.					
	25									
	26	Chafing Plate	—							
	27									
	28									
	29									
	30									
	31									
	32									
	33									
	34									
	35	**GROUP 39—ECCENTRIC**								
8	36	Eccentric Crank PAIRED ✓	2	392-A-107	MAT'L. ORD. IN P.D.	392-A-107	—	—	—	—
8	37	" " Bolt ✓	SEE	BOLT LIST	—	—	—	—	—	—
8	38	" " Key ✓	2	392-A-34	—	392-A-34	—	—	—	—
	39	" " Location ✓								
8	40	" " Pin ✓	2	392-A-106	MAT'L. ORD. IN P.D.	~~392-A~~ 39-B-63	—	—	—	—
8	41	" " " Washer ✓	2	392-A-106	PLATE FIN. SIZES 4$\frac{1}{4}$" DIA. X $\frac{3}{8}$" THICK.	—	—	—	—	—
D	42	" Rod ✓	1-R 1-L	392-E-43	MAT. ORD. IN P.D.	39-D-12	—	—	—	—
	43	" " Stub	—							
D	44	" " Brass ✓	2	392-E-43	—	—	—	—	39-250	—
D	45	" " Pin ✓	2	"	COMPLETE WITH DOWELS, NUTS & COTTERS	—	—	—	—	—
	46	" Large Half								
	47	" Small "								
	48	" Strap Large Half								
	49	" " Small "								
	50	" " Liner								
8	51	ECCENTRIC CRANK PIN NUT	2	392-A-106	FIN. SIZES 2$\frac{3}{8}$" HEX. X 1$\frac{1}{4}$" THICK	—	—	—	—	—
	52									
	53									
	54									
	55									
	56	**GROUP 40—ENG. TRUCK, LEADING**								
	57	Engine Truck Arrangement								
	58	" " Frame								
	59	" " " Brace								
	60	" " " "								
	61	" " " Crosstie								

(Group 40 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 40—ENG. TRUCK LEADING (Cont.)								
	1	Engine Truck Pedestal								
	2	" " "								
	3	" " " Cap								
	4	" " " " Brace								
	5	" " Saddle								
	6	" " Equalizer (Over Box)								
	7	" " " " "								
	8	" " Bolster								
	9	" " Center Plate								
	10	" " " " Washer								
	11	" " " Pin								
	12	" " " " Bolt								
	13	" " " " " Key								
	14	" " Check Chain								
	15	" " " " Bolt								
	16	" " " " Clevis								
	17	" " Swing Frame								
	18	" " " Link								
	19	" " " " Pins								
	20	" " " " "								
	21	" " " Pin Key								
	22	" " " Rocker								
	23	" " Connecting Links								
	24	" " " " Pins								
	25	" " Spring Hanger								
	26	" " " "								
	27	" " " " Gib								
	28	" " " Seat								
	29	" " " "								
	30	" "								
	31	" " Safety Strap								
	32	" " Radius Bar								
	33	" " " " Brace								
	34	" " " " End								
	35	" " " " Pin								
	36	" "								
	37	" "								
	38									
	39									
	40									
	41									
	42									
	43									
	44	**GROUP 41—ENG. TRUCK TRAILING**								
	45	Trailing Truck Arrangement								
	46	" " Bolster								
	47	" " Center Plate								
	48	" " " " Washer								
	49	" " " Pin								
	50	" " " " " Bolt								
	51	" " " " " " Key								
	52	" " Equalizer (Over Box)								
	53	" " " " "								
	54	" " Frame								
	55	" " " Brace								
	56	" " " "								
	57	" " " Crosstie								
	58	" " Pedestal								
	59	" " " Cap								
	60	" " " " Brace								
	61	" " Saddle								

(Group 47 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 41—ENG. TRAILING TRUCK (Cont.)								
	1	Engine Truck Swing Frame								
	2	" " " Link								
	3	" " " " Pin								
	4	" " " " "								
	5	" " " Pin Key								
	6	" " Guide Frame								
	7	" " Spring Hanger								
	8	" " " "								
	9	" " " " Gib								
	10	" " " " "								
	11	" " " Seat								
	12	" " " "								
	13	" " " Yoke								
	14	" " " " Hinge								
	15	" " " " Seat								
	16	" " " " Pin								
	17	" " " " Case Cap								
	18	" " Chafing Plate								
	19	" " Safety Strap								
	20	" " Check Chain								
	21	" " " " Bolt								
	22	" " " " Clevis								
	23	" " Center Spring								
	24	" " " " Case								
	25	" " " " Rod								
	26	" " " " Seat								
	27	" " Radius Bar								
	28	" " " " Brace								
	29	" " " " Clamp								
	30	" " " " End								
	31	" " " " Pin								
	32	" " " " " Keeper								
	33									
	34									
	35									
	36									
	37									
	38									
	39									
	40	**GR. 42—ERECTING CARDS, Elevations**								
D	41	Elevation	1	429-A-39	—	—	—	—	—	—
	42									
	43	Bachkead Arrangement	SEE CROSS SECTIONS			—	—	—	—	—
	44	**GR. 43—ERECTING CARDS, Cross Sec.**								
D	45	Cross Section	1	439-A-~~39~~ 33	—	—	—	—	—	—
	46									
	47	**GROUP 44—EXHAUST PIPE**								
P	48	Exhaust Pipe	1	443-~~J-2~~ B-33	FURNISH 3/4" PIPE & 1-1" PIPE PLUG	—	44-684	—	—	—
	49	" Nozzle	—							
D	50	" Tips	1	443-~~J-2~~ B-33	BORE 5 1/2"	—	44-264	—	—	—
D	51	" "	1	443-~~J-2~~ B-33	" 5 3/4"	—	44-264	—	—	—
D	52	" "	1	443-~~J-2~~ B-33	" 6"	—	44-264	—	—	—
	53	Blower Ring	—							
	54	Exhaust Pipe Ball	—							
	55	" " Flange	—							
	56	" " Gland	—							
	57	" " Rings	—							
	58	" " Seat	—							
	59	" " Sleeve	—							
	60	" " Spring	—							
	61									

(Group 44 Continued

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 44—EXHAUST PIPE (Cont.)								
	1	Separate Exhaust Pipe	7							
	2	" " " Elbow								
	3	" " " Flange								
	4	" " " Support								
	5	" " " Joint Ring								
	6	" " " Casing								
	7									
	8									
	9									
	10									
	11	**GROUP 45—FIREDOOR & FIREBRICK**								
P	12	Fire Brick Arrangement	1-SET	454 C 6	ORD. IN P.D.	—	—	—	—	—
P	13	Arch Tube	3	454 C 6	" " "	—	—	—	—	—
	14	" " Covers	—							
	15	" " Setting	—							
	16	" Box Cross Carrier	—							
	17									
	18									
	19									
P	20	Fire Door Arrangement Complete	1 SET	"FRANKLIN"	ORD. COMPLETE IN P.D.	—	—	—	—	—
	21	" " Frame								
	22	" " Hinges								
	23	" " Liner								
	24	" " Latch								
	25	" " " Guide								
	26	" " Catch								
	27	" " Register								
	28	" " Handle								
	29	" " Lever								
	30	" " Shaft								
	31	" " Slide								
	32	" " Damper								
	33	" " " Details								
	34	" " Shield								
	35	" " " Support								
	36	" " " Angle								
	37									
	38									
	39	Smoke Consumer	—							
	40									
	41	**GROUP 46—FRAMES**								
P	42	Frame—Pattern & Slotting	1-R	466-D-7	CASTING ORD. IN P.D.	—	—	46-194-C RH. 46-195-C LH.	—	—
P	43	" —Drilling	1-L 1-R	466-A-119	—	—	—	—	—	—
P	44	" WEARING PLATE	1-L 6	466-A-119	—	47-B-5	—	—	—	—
	45	" Cradle	—							
	46	" Rail	—							
	47	" Splice	—							
P	48	" Pedestal Binder No. 1 FRONT	2	466-A-119	MAT'L. ORD. IN P.D.	46-A-8	—	—	—	—
P	49	" " " No. 2 INT.	2	" " "	" "	46-A-8	—	—	—	—
P	50	" " " No. 3 MAIN	2	" " "	" "	46-A-7	—	—	—	—
P	51	" " " No. 4 BACK	2	" " "	" "	46-A-8	—	—	—	—
	52	" " " No. 5	—							
	53	" " " Bolt	—							
	54	" " " "	—							
	55	"								
P	56	Pedestal Shoe—Main	2	462-A-94	—	—	46-412	—	—	—
P	57	" " OTHERS	6	462-A-94	—	—	46-412	—	—	—
P	58	" Wedge—Main	2	462-B-94	—	—	46-413	—	—	—
P	59	" " OTHERS	6	462-B-94	—	—	46-413	—	—	—
P	60	" " Bolt—~~Main~~ ALL	8	462-A-95	—	462-A-95	—	—	—	—
	61	" " "								

(Group 46 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 46—FRAMES (Cont.)								
	1									
	2									
	3									
	4									
	5									
	6									
	7	**GROUP 47—FRAME DETAILS**								
0	8	Frame Filling—Front & EQUALIZER FULCRUM	1-R 1-L	472-E-32	—	—	—	47-110	—	—
0	9	" " —[redacted] EQUALIZER PIN	4	472-E-32	—	47-A-7	—	—	—	—
0	10	" " —Back & EQUALIZER FULCRUM	1-R 1-L	472-F-32	—	—	—	47-110	—	—
	11	" Wearing Plate (For Spr. Hanger)	SEE PAGE 23 ITEM 44			—	—	—	—	—
0	12	Foot Plate	1	473-~~B~~F-8	—	—	—	47-107	—	—
0	13	Front Deck Casting	1	472-A-43	—	—	—	47-126	—	—
	14	Center Pin Guide	—							
	15	Back Head Brace	—							
	16	Expansion "	—							
0	17	REVERSE SHAFT CROSSTIE	1	474-B-2	—	—	—	47-106	—	—
0	18	" " " STOP PINS	4	474-B-2	STEEL-CASE HARDENED	—	—	—	—	—
	19									
	20									
0	21	GUIDE YOKE CROSSTIE	1	472-A-31	—	—	—	47-109	—	—
	22									
	23	Ash Pan Crosstie	—							
	24	Brace Crosstie	—							
	25	" "	—							
	26	Center Pin Crosstie	—							
	27	Cylinder "	—							
0	28	Furnace "	1	473-A-9	—	—	—	47-108	—	—
0	29	" " SHOE	2	473-A-9	—	—	—	47-112	—	—
0	30	~~"~~ " CLAMP	2	473-A-9	PLATE: MAT'L. ORD. IN P.D.	47-A-8	—	—	—	—
0	31	" " PLATE	2	473-A-9	BRASS PLATE, MAT'L. ORD. IN P.D.	—	—	—	—	—
0	32	Pedestal "	1	472-B-5	—	—	—	47-111	—	—
0	33	" " BOTTOM RAIL FRONT OF BACK DRIVER	1	472-A-30	MAT'L. ORD. IN P.D.	—	—	—	—	—
	34	" "	—							
	35	Radius Bar "	—							
	36	" " " Clamp	—							
0	37	Waist Sheet — BACK	1	~~472-A-9~~ 472-A-29	PLATE MAT'L, ORD. IN P.D.	—	—	—	—	—
	38	" " "	—							
	39	" " "	—							
	40	" "	—							
	41	" "	—							
	42	" "	—							
	43									
	44	Furnace Bearer								
	45	" " Brace								
	46	" " Clamp								
	47	" " Filling								
	48	" " Knee								
	49	" " Link								
	50	" " Plate								
	51	" " Pad								
	52	" " "								
	53	" " Sheet—Front								
0	54	" " " —Back	1	472-C-40	PLATE MAT'L. ORD. IN P.D.	—	—	—	—	—
	55									
	56									
	57									
	58									
	59									
	60									
	61									

(Group 47 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 47—FRAME DETAILS (Cont.)								
	1	Centering Device Arrangement								
	2	" " Body								
	3	" " Top Bearing								
	4	" " Shoe								
	5	" " Rod								
	6	" " " Stand								
	7	" " Spring Seat								
	8	" " Clamp								
	9	" " End Plates								
	10									
	11	Hinge Casting—L. P.								
	12	" " Bushing								
	13	" " Pin								
	14	" " " Keeper								
	15	" " —H. P.								
	16	" " Bushing								
	17	" " Pin								
	18									
	19									
	20									
	21									
	22									
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31	GR. 49—GAUGES, T'MPLATES & JIGS								
	32	FORGING TEMPLATES	1-SET	492A276						
	33	GAUGES	1-SET	492A275						
	34	LAYOUT TEMPLATES	1-SET	492A275						
	35	STANDARD FIXTURES	1-SET	492A279						
	36	DRILLING JIGS	1-SET	492A274						
	37									
	38									
	39									
	40									
	41									
	42									
	43	GROUP 50—GUIDES	1 SET	503-C-45	FIT UP R.&L. FURNISH BOLTS ETC.					
	44	Guide—Top	2	503-C-45	MAT'L. ORD. IN P.D.	50-A-6				
	45	" —Bottom	2	503-C-45	" " " "	50-A-6				
	46	" Liner BACK	4	503-C-45	$\frac{1}{8}$"×5$\frac{1}{2}$"×8" PLATE					
	47	" " FRONT	4	503-C-45	$\frac{1}{8}$"×6×5$\frac{1}{4}$" PLATE					
	48	" Yoke	1	503-C-45	MAT'L. ORD. IN P.D. 1$\frac{3}{4}$"×11$\frac{1}{2}$"×96$\frac{1}{2}$" FIN. SIZES					
	49	" " Bracket								
	50	" " End	2	503-B-44	MACHINE R & L			50-229-A		
	51	" " "								
	52	" Filling								
	53	" Knee								
	54	" Block								
	55	" "								
	56	" Yoke Sheet	2	502-B-9	PLATE MAT'L. ORD. IN P.D.					
	57	" Cover								
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 51—GRATE ARRANGEMENTS								
B	1	Grate Arrangement	1-SET	514-F-36 ~~524-F-1~~	—	—	—	—	—	—
	2									
	3									
	4	**GROUP 52—GRATE DETAILS**								
B	5	Grate Bar	12	522-A-53	—	—	52-1163	—	—	—
B	6	" " END - RIGHT.	2	522-A-52	—	—	52-1161	—	—	—
B	7	" " " " - LEFT	2	522-A-52	—	—	52-1162	—	—	—
B	8	" " KEYS.	16	522-A-46	—	52-A-35	—	—	—	—
B	9	Dead Grate	2	522-A-51	—	—	52-1160	—	—	—
B	10	GRATE CENTER RAIL SUPPORT(-F)	1	522-B-49	—	—	—	52-1155	—	—
B	11	Grate Center Rail—[redacted]	1	523-A-14	—	—	—	52-1151	—	—
B	12	" " " —~~Back~~ SUPPORT (BACK)	1	522-B-13	—	—	—	52-418	—	—
B	13	" Side Rail—R. FRONT	1	522-A-58	—	—	52-1192	—	—	—
B	14	" " " —L. FRONT.	1	522-A-58	—	—	52-1193	—	—	—
B	15	" Drop Plate RIGHT	1	522-A-54	—	—	52-1164	—	—	—
B	16	" " " LEFT	1	522-A-54	—	—	52-1165	—	—	—
	17	" " " Arm	—							
	18	" " " Crank	—							
	19	" " " Handle	—							
B	20	" " " Lever	1R 1L	523-T-86	—	523-T-86	—	—	—	—
	21	" " " Lock Pin	—							
B	22	" " " Rod	2	523-H-86	—	52-A-40	—	—	—	—
B	23	" " " [redacted] LEVER STOP	1R 1L	523-B-86	—	52-A-41	—	—	—	—
B	24	" — Support -(DEAD GRATE)	4	523-D-86	—	52-A-39	—	—	—	—
	25	" Shaft	—							
B	26	" " Bearing (LEVER FULCRUM)	1R 1L	522A50	—	—	R-52-1156 L-52-1157	—	—	—
	27	" " "	—							
B	28	" Support & ASH PAN.	8	522 B 15	—	—	—	52-446-A	—	—
B	29	" SIDE RAIL - R - BACK	1	522-A-58	—	—	52-1169	—	—	—
B	30	" " " " - L - BACK.	1	522-A-58	—	—	52-1170	—	—	—
	31	" Lock Pin	—							
	32	" Lever Catch	—							
	33	" " Cover	—							
B	34	Rocking ~~Bar~~m GRATE ROD	1R 1L	523-E-86	—	52-A-43	—	—	—	—
B	35	" Grate Bar Connection	8	523-A-86	—	FORGED SIZES 1/2" x 2" x 32"	—	—	—	—
B	36	GRATE LEVER LATCH (BACK)	2	522-B-48	—	—	—	52-1154	—	—
B	37	" " " " " (FRONT)	2	522-A-48	—	—	—	52-1153	—	—
B	38	" " " " "	1R 1L	522-A-47	—	—	—	52-1150 52-1152	—	—
B	39	ROCKING GRATE ROD	1R 1L	523-L-86	—	52-A-42	—	—	—	—
B	40	ROCKING GRATE Handle	1	523-C-86	—	523-C-86	—	—	—	—
	41	" " Hanger	—							
B	42	" " Lever—Hand	2R 2L	523-S-86	—	523-S-86	—	—	—	—
	43	" " " —Power	—							
B	44	GRATE RIGGING PINS.	6	523-K-86	FURNISH COTTERS		—	—	—	—
	45	Grate Shaker Arrangement	—							
	46	" " Cylinder	—							
	47	" " " Support	—							
B	48	GRATE RIGGING PINS	6	523-M-86	FURNISH COTTERS		—	—	—	—
B	49	" " "	20	523-N-86	" "		—	—	—	—
B	50	" " "	2	523-P-86	" "		—	—	—	—
	51									
B	52	GRATE SHAKER LEVER LATCH (R)	3	522 C 517	STEEL		—	—	—	—
B	53	" " " " (L)	3	522 C 517	"		—	—	—	—
B	54	" " " " PINS	6	522-B 517	"		—	—	—	—
B	55	" " " FULCRUM PINS	2	523-J-86	FURNISH COTTERS		—	—	—	—
B	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 53—HAND RAILS & STEPS								
	1	Hand Rail	1 SET	1" STEEL PIPE	ORD. IN P. D.	—	—	—	—	—
	2	" " Balls	2	532-A-26	—	—	53-187	—	—	—
	3	" " Column SMOKE BOX L.H.	2	532-B-296	8" HIGH	—	53-319A	—	—	—
	4	" " " 1ST COURSE L.H	1	532-M-296	7" "	—	53-568	—	—	—
	5	" " " 2ND " (F) L.H.	1	532-J-296	6" "	—	53-538	—	—	—
	6	" " " 2ND " (B) L.H.	1	532-N-296	6½" "	—	53-569	—	—	—
	7	" " " FIRE BOX L.H.	1	532-M-296	7" "	—	53-568	—	—	—
	8	" " " CLAMPS L.H.	6	532-B-296	—	—	53-316A	—	—	—
	9	" " "								
	10	" " "								
	11	" " " Washer 1ST COURSE R&L	2	532-~~C~~D-11	~~1¾~~ 1 7/8" HIGH	—	53-~~208~~ 168	FOR FUTURE	—	—
	12	" " " " 2ND " (F) R&L	2	532-E-11	2" "	—	53-169	—	—	—
	13	" " " " 2ND " (B) R&L	2	532-G-41	3½" "	—	53-205	—	—	—
	14	" " " " FIRE BOX R&L	2	532-~~N~~G-11	~~3~~ 2 1/4" "	—	53-~~243~~ 170	FOR FUTURE	—	—
	15	" " "								
	16	" " "								
	17	Hand Rail Column ~~Brace~~ SMOKE BOX R.H.	2	532-A-16	8" HIGH	—	53-63	—	—	—
	18	" " " " 1ST COURSE R.H.	1	532-J-14	7" "	—	53-184	—	—	—
	19	" " " " 2ND " (F) R.H.	1	532-G-14	6" "	—	53-2	—	—	—
	20	" " " " 2ND " (B) R.H.	1	532-H-14	6½" "	—	53-165	—	—	—
	21	" " " " FIRE BOX R.H.	1	532-J-14	7" "	—	53-184	—	—	—
	22	" " "								
	23	" " " SMOKE BOX FRONT	1	532-C-14	4" HIGH	—	53-166	—	—	—
	24	" " " " " "	2	532-C-15	4" "	—	53-159	—	—	—
	25	" " " " " SIDES (~~L.H.~~ R.)	~~3~~ 1	532-C-15	4" "	—	53-159	—	—	—
	26	" " " " " SIDE L	2	532-R-15	8" "	—	53-162	—	—	—
	27	Handles								
	28	" COLUMN ON PILOT BEAM	1	532-V-273	10" HIGH	—	53-128	—	—	—
	29	"								
	30	"								
	31	Cab Handle	1-R 1-L	532-K-12	—	~~532-F-3~~ 53-F-3	—	—	—	—
	32	" "	2	532-A-23	—	532-A-23	—	—	—	—
	33									
	34									
	35									
	36	Steps	—							
	37	Bell Step	—							
	38	" " Brace	—	532-A-31 PAT. ONLY						
	39	Bumper Step—Front	2	532-~~C~~-36	—	—	53-193	—	—	—
	40	" " ~~Brace~~ BRACKET	1-R 1-L	532-C-36	—	53-B-18	—	—	—	—
	41	Bumper Step—~~Back~~ SUPPORT	4	213-A-62	—	53-B-19	—	—	—	—
	42	" " ~~Brace~~ " BRACE	2	213-A-62	½"x2"x33" BAR IRON WOOD FURNISH	—	—	—	—	—
	43	~~Cyl. Step~~ "	2	213-A-62	BOLTS	—	—	—	—	—
	44	" " Brace	—							
	45	Cylinder Step	—							
	46	" " Bracket	—							
	47	Deck Step	—							
	48	Dynoma Step	—							
	49	~~Engine Step~~ STEP L.S. SMOKEBOX	1	532-A-396	—	—	53-550	—	—	—
	50	" " " Brace	—							
	51	Guide Step	—							
	52	Headlight Step ON SMOKEBOX FRONT	1	533-~~B~~E-4	—	—	53-~~174-A~~ 173	—	—	—
	53	" "	—							
	54	Pilot Step	—							
	55	" "	—							
	56	Running Board Step	2	532-A-37	—	—	53-202	—	—	—
	57	" " "	—							
	58	" " " Brace STEP TO TOP OF STEAM CHEST	2	TO SUIT ERECT SHOP.	FORGED SIZES 2"WIDE x ½" THICK.	—	—	—	—	—
	59	" " " "	—							
	60									
	61									

(Group 53 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 53—HAND RAILS & STEPS (Cont.)								
D	1	Sand Box Step FRONT	2	532-A-393	—	—	53-549	—	—	—
D	2	" " " FILLER BLOCK	4	532-A-412	—	—	53-571	—	—	—
D	3	" " " " " BACK	2	532-A-415	—	—	53-575	—	—	—
D	4	~~Side Sheet~~ " BACK	2	532-A-393	—	—	53-549	—	—	—
	5									
	6									
	7	**GR. 54—H'DLI'TS, Lamps, Plates, Etc.**								
	8	Signal Fixtures—Location	—							
	9	" Lamp Bracket	—							
	10	" " "	—							
	11	Flag Bracket	—							
D	12	" Socket ON PILOT BEAM	1-R 1-L	542-A-359	—	—	54-424-R.H. 54-426-L.H.	—	—	—
	13	" Box	—							
	14	Lamp Bracket	—							
	15	" Socket	—							
P	16	Headlight Shelf	1	542-H-36	FURNISH BOLT FOR HANDLE	—	54-95	—	—	—
	17	" " Edge	—							
	18	" " Bracket	—							
	19	" " Handle	—							
	20	Train Number Indicator	—							
P	21	Lamp (Steam Gauge)	1	PYLE NATIONAL LCG-65	ORD. IN P.D	—	—	—	—	—
	22	" Bracket	—							
P	23	" (Water Gauge)	—	INTEGRAL WITH GAUGE		—	—	—	—	—
	24	" Bracket	—							
P	25	" (Air Gauge)	—	INTEGRAL WITH GAUGE		—	—	—	—	—
P	26	" ~~Bracket~~ DECK	1	PYLE NATIONAL FLD-2	ORD. IN P.D.	—	—	—	—	—
P	27	" Lubricator	1	STANDARD KEY SOCKET & WIRE GAURD - USE $\frac{3}{8}$" FLEX. CONDUIT.					—	—
	28	" Bracket	—							
P	29	" Engineer's	1	PYLE NATIONAL ELSC-22-S	ORD. IN P.D.	—	—	—	—	—
	30	" Bracket								
	31	" (Booster)	—							
	32	" Bracket	—							
	33	" (Pyrometer)	—							
	34	" Bracket								
	35	" (Feed Water Gauge)	—							
	36	" Bracket	—							
	37	Number Plate								
P	38	" " Figures	1 SET	543-A-38	ALUMINUM	—	—	—	—	—
P	39	Builder's Card	2	543-A-16	—	—	—	—	54-158	—
	40	Name Plate								
P	41	Patent Plate—Superheater R.H.	1	542-A-~~330~~ 230	—	—	—	—	54-~~178~~ 301	—
	42	" "								
P	43	Dynamo Bracket	1	542-~~B-285~~ A 376	PLATE MAT'L. ORD. IN P.D.	—	—	—	—	—
P	44	Electric Wiring	1 SET	A.C.&Y. PRINT 54-DE-14187	MAT'L. ORD. IN P.D.	—	—	—	—	—
P	45	HEADLIGHT	2	PYLE NATIONAL	#20 C-145 ORD IN P.D.	—	—	—	—	—
P	46	GENERATOR	1	" "	TYPE K2 " " "	—	—	—	—	—
P	47	ELECTRIC EQUIPMENT	1 SET	54-MO-91	ORD. IN P.D.	—	—	—	—	—
	48									
	49									
	50									
	51									
	52									
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 55—Injector & Feed Water								
8	1	Injector	2	OHIO #10 LIFTING	ORD. IN P.D.	—	—	—	—	—
	2	" Bracket	—							
8	3	" Check (COMBINED STOP & CHECK)	2	OHIO	ORD. IN P.D.	—	—	—	—	—
8	4	" " ~~Body~~ STAND	1	EDNA	ORD. IN P.D.	—	—	—	—	—
	5	" " Cap								
	6	" " Nut								
	7	" " Sleeve								
	8	" " Flange								
	9	" " Baffle Plate								
	10	" Extension Handle								
	11	" " " Support								
	12	" Universal Joint								
	13	" Pipe Connection								
	14	" " "								
	15	Delivery Pipe Coupling Nut								
	16	" " " Sleeve								
	17	" " " "								
	18									
	19	Feed Hose								
	20	" "								
	21	" " Clamp								
	22	" Pipe Hanger								
8	23	Strainer	2	SELLERS #3 GRAVITY CLEAN	ORD. IN P.D.	—	—	—	—	—
8	24	" ~~Body~~ HOSE NIPPLE	2	822-C-32	—	—	~~822-211~~	82	82-211	—
8	25	" ~~Bonnet~~ HANGER	2	552-C-164	—	552-C-164	—	—	—	—
8	26	" ~~Disc~~ " BRACKET	2	552-A-7	—	—	—	55-75	—	—
	27	" Sleeve								
	28	" Swivel								
	29	" Coupling Nut								
	30	" " " Sleeve								
	31									
	32									
	33									
	34									
	35									
	36	Feed Water Heater								
	37	" " " Support								
	38	" " " Pump								
	39	" " " " Bracket								
	40									
	41									
	42									
	43									
	44									
	45									
	46									
	47									
	48									
	49									
	50									
	51									
	52									
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

(Group 55 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 55—Injector & Feed Water (Cont).								
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
	11									
	12									
	13									
	14									
	15									
	16									
	17									
	18									
	19									
	20									
	21									
	22									
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31									
	32									
	33									
	34									
	35									
	36	**GROUP 57—LAGGING & JACKET**								
P	37	Lagging (Boiler) (SECTIONAL)	1 SET	572-A-9	MAT'L. ORD. IN P.D.	—	—	—	—	—
	38	" Panel								
	39	" "								
	40	" "								
	41	" Angle Iron								
	42	" " "								
P	43	Jacket (Boiler)	1 SET	#20 B.W.G. PAINTED STEEL	MAT'L. ORD. IN P.D.	—	—	—	—	—
P	44	" Band IN CAB	1	572-A-12	MAT'L. ORD. IN P.D.	—	—	—	—	—
	45	" "								
P	46	" Clamp	62	A-11419 SHAY STD.	—	A-11419	—	—	—	—
P	47	" " JACKET TO RUN. BOARD.	12	572-A-68	—	572-A-68	—	—	—	—
P	48	Plug Casing – WASH OUT PLUGS	14	572-A-6	—	—	—	—	57-4	—
P	49	" " ARCH TUBE "	3	572-B-6	—	—	—	—	57-5	—
P	50	" Cover WASH OUT "	12	~~32617~~ 57-M0-5005 SHAY STD.	ORD. IN P.D.	—	—	—	—	—
P	51	Cylinder Lagging	1 SET	USE SCRAP BOILER LAGGING	MAT'L. ORD. IN P.D.	—	—	—	—	—
P	52	" Jacket	1 SET	—	" " " "	—	—	—	—	—
	53	Gauge Cock Casing	—							
P	54	Boiler Test Plate Casing	1	572-A-60	—	—	—	—	57-48	—
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 58—LINK MOTION								
D	1	Link MOTION	1 SET	BAKER	ORD. IN P. D.	—	—	—	—	—
	2	" Block								
	3	" " Bushings								
	4	" Cheeks								
	5	" Filling								
	6	" Plate								
	7	" Saddle								
	8	" " Pin								
	9	" " Bushings								
	10	" Support								
	11	" " Bushings								
	12	Motion Bearer Crosstie								
	13	" " Knee								
	14	Radius Rod—Front Section								
	15	" " —Rear "								
	16	" " Lifting Link								
S	17	Combination Lever TOP END OF LH. FOR MECH LUB. CONNECTION.		582-A-207						
	18	" " Bushings	—							
	19	" " Pin	—							
P	20	Union Link PAIRED	2	582-B-19	—	58-A-22	—	—	—	—
P	21	" " Pin	2	582-B-19	—	—	—	—	—	—
P	22	" " Bushings	2	S-582-A-8 PATT. ONLY 582-B-19	—	—	—	—	58-28	—
	23	Slide Block								
	24	" " Cap								
	25	" " Bottom								
	26	" " Trunnions								
	27	" " Liners								
	28									
	29									
	30	Transmission Bar								
	31	" " Hanger								
	32	" " Link								
	33	" " Pin								
P	34	Baker Valve Gear Frame Drilling	2 SETS	583-A-7	—	—	—	—	—	—
	35	" " " " Extension	—							
	36									
	37									
	38									
	39									
	40	**GROUP 59—Oil Cups & Lubricator**								
	41	Oil Cups								
D	42	Crosshead Oil Cup (IN END OF WRIST PIN)	2	592-A-335	WICKING ORD. IN P. D.	—	—	—	59-452	—
D	43	" " " Cap	2	592-A-335	—	—	—	59-453	STICK BRASS	—
D	44	" " " ~~Nut~~ SPRINGS	2	592-A-335	—	—	—	—	—	—
D	45	" " " 1" 2 STEEL BALL	2	592-A-335	ORD. IN P. D.	—	—	—	—	—
D	46	" " " BRACE	~~2~~	~~592-A-341~~	—	~~592-A-341~~	—	—	—	—
	47	Eng. Truck Oil Cup	—							
	48	" " " " Cap	—							
	49	" " " " Nut	—							
	50	" " " " Stem	—							
	51									
	52	Ecc. Rod Oil Cup	—							
	53	" " " " Cap	—							
	54	" " " " Nut	—							
	55	" " " " Stem	—							
P	56	" " GREASE CUP PLUG	2	592-B-337	—	—	—	—	STICK BRASS	—
D	57	Guide Oil Cup	2	EDNA-D-1978	ORD. IN P. D.	—	—	—	—	—
	58	" " " Cap	—							
	59	" " " Nut	—							
	60	" " " Stem	—							
	61									

R.R. INSPECTOR DOES NOT WANT THIS, BUT WANTS A LOCK NUT. WHICH IS APPLIED ON THIS ORDER 5-6-26 S.K.H.

(Group 59 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 59—Oil Cups & Lubricator (Cont.)								
	1	Link Oil Cup								
	2	" " " Cap								
	3	" " " Nut								
	4	" " " Stem								
	5									
	6	Link Lifter Oil Cup								
	7	" " " " Cap								
	8	" " " " Nut								
	9	" " " " Stem								
	10									
	11	Radius Rod Oil Cup								
	12	" " " " Cap								
	13	" " " " Nut								
	14	" " " " Stem								
	15									
	16	Rockshaft Oil Cup								
	17	" " " Cap								
	18	" " " Nut								
	19	" " " Stem								
81	20	FURNACE BEARER OIL CUP	2	592-A-29	—	—	—	—	59-255	—
	21	Rev. Shaft Oil Cup								
	22	" " " " Cap								
	23	" " " " Nut								
	24	" " " " Stem								
	25									
	26	Transmission Oil Cup								
	27	" " " Cap								
	28	" " " Nut								
	29	" " " Stem								
	30									
	31	Piston Rod Oil Cup								
	32	" " " " Cap								
	33	" " " " Nut								
	34	" " " " Stem								
	35									
	36	Valve ROD Oil Cup	—							
6	37	" " " " Bracket	2	592-C-10	ORD. IN P.D. WITH PACKING	—	—	—	—	—
	38	" " " " Cap								
	39	" " " " Nut								
	40	" " " " Stem								
	41									
	42	Main Rod Grease Cup								
	43	" " " "								
	44	" " " " Cap								
	45	" " " " Nut								
	46	" " " " Stem								
8	47	" " " " Plug	2	592-A-337	—	—	—	—	59-454	—
	48									
	49	Side Rod Grease Cup								
	50	" " " " Cap								
	51	" " " " Nut								
	52	" " " " Stem								
8	53	" " " " Plug	8	592-A-337	—	—	—	—	59-454	—
8	54	VALVE ROD OIL CUP	2	592-B-14	STEEL 2" HEX 7/8" LONG FIN. SIZES	—	—	—	—	—
	55	Trailer Truck Oil Cup								
	56	" " " " Cap								
	57									
	58	Throttle Lever Support Oil Cup								
	59	" " " " " Cap								
	60									
	61									

(Group 59 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 59—Oil Cups & Lubri. (Cont.)								
	1	Valve Rod Crosshead Guide Oil Cup	4	EDNA - D-2248	ORD. IN P.D.	—	—	—	—	—
	2	" " " " " " Cap	—							
	3	" " " " " " Nut	—							
	4	" " " " " " Stem	—							
	5	" " " " " " Plug	—							
	6	OIL CAN HOLDER EDGE	1	593-B-1	MAT'L. ORD. IN P.D.	59-A-5	—	—	—	—
	7	Oil Can Holder	1	593-B-1	PLATE MAT'L, ORD. IN P.D.	—	—	—	—	—
	8	" " " Support	1	" " "	—	59-A-6	—	—	—	—
	9	" " " "	1	" " "	—	59-B-6	—	—	—	—
	10	" " " "	1	" " "	—	59-C-6	—	—	—	—
	11	" " " ANGLE	1	" " "	—	59-A-8	—	—	—	—
	12	LUBRICATOR - HYDROSTATIC	1	NATHAN 2-PT. 2-FEED	ORD. IN P.D.	—	—	—	—	—
	13									
	14									
	15	Lubricator — MECHANICAL	1	EDNA 8-PT 2-FEED	ORD. IN P.D.	—	—	—	—	—
	16	" ~~Making~~ BRACKET (FOR NATHAN HYDROSTATIC)	1	592-A-111	—	592-A-111	—	—	—	—
	17	" Support (FOR MECHANICAL)	1	592-A-338	PLATE MAT'L, ORD. IN P.D.	—	—	—	—	—
	18	" " Brace	1	593-A-19	—	59-A-90	—	—	—	—
	19	MECH. LUBRICATER DRIVE STUD	1	592-A-340	FURNISH NUT WASHER & COTTER	—	—	—	—	—
	20	Flange Lubricator	—							
	21	" " Support	—							
	22	MECHANICAL LUBRICATOR ARRANGEMENT	1 SET	593-A-19	FURNISH STUDS & BOLTS	—	—	—	—	—
	23	" " " OPERATING LINK	1	593-A-19	1/2" IRON PIPE, LENGTH TO SUIT.	—	—	—	—	—
	24									
	25	Steam Chest Oil Plug - IN STEAM CHEST	2	592-A-339	STEEL - FIN. SIZES 1 1/2" HEX. X ~~3~~ 2 3/4" LONG.	—	—	—	—	—
	26									
	27	Bell Ringer Oil Cup	—							
	28	Radial Buffer Oil Cup	—							
	29									
	30									
	31	**GROUP 60—Oil Burning Attachments**								
	32	Oil Burning Arrangement								
	33	Oil Burner								
	34	" " Lip								
	35	" " Support								
	36	" Feed Quadrant								
	37	" Operating Nandle								
	38	" Heater								
	39	" " Ends								
	40	" " Nuts								
	41	" " Bushing								
	42	" " Sleeve								
	43	" " Casing								
	44	" " Support								
	45	" " "								
	46									
	47									
	48									
	49									
	50									
	51									
	52									
	53									
	54									
	55									
	56	**GROUP 61—PAINTING**								
	57	Lettering								
	58	Numbering								
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 72—RODS—Main and Side								
	1	Rods—Main								
	2	Front Stub								
	3	" " Strap								
	4	" " Key								
	5	" " Washer								
	6	" " Brass								
	7	" " "								
	8									
	9	Main Stub								
	10	" " Strap								
	11	" " Wedge								
	12	" " Filling								
	13	" " Brass								
	14	" " "								
	15	" " " Grooves								
	16									
	17									
	18									
	19									
	20	Rods—Side—Front								
	21	Front Stub								
	22	" " Strap								
	23	" " Key								
	24	" " Filling								
	25	" " Brass								
	26									
	27									
	28	Rods—Side—Int.								
	29	Inter. Stub								
	30	" " Strap								
	31	" " Key								
	32	" " Filling								
	33	" " Brass								
	34									
	35	Rods—Side—Main								
	36	Main Stub								
	37	" " Strap								
	38	" " Key								
	39	" " Filling								
	40	" " Brass								
	41									
	42	Rods—Side—Back								
	43	Back Stub								
	44	" " Strap								
	45	" " Key								
	46	" " Filling								
	47	" " Brass								
	48									
	49	Knuckle Pin								
	50	" " Bushing								
	51	" " Nut								
	52									
	53	Side Rod Grease Grooves								
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 62—PILOT								
	1	Pilot								
	2	" Band								
	3	" Bracket								
	4	" Bottom Plate								
	5	" Corner Iron								
	6	" Knee								
	7	" Strap								
	8	" Brace								
	9	" "								
	10									
	11	Rail Guard								
	12	" "								
	13	Snow Plow								
	14									
	15									
	16									
	17									
	18									
	19									
	20									
	21	**GROUP 63—PIPE FITTINGS**								
	22	Air Gauge Fitting								
	23	" " " Nut								
	24	" " " Swivel								
	25									
	26	Air Pump Oil Fitting								
	27	" " " " Nut								
	28	" " " " Swivel								
	29	" " Elbow								
	30	Angle Valve Nut								
	31	" " Swivel								
	32									
	33	Angle Valve Nut								
	34	" " Swivel								
	35									
	36	Ash Pan Valve Nut								
	37	" " " Swivel								
	38									
	39	Bell Ringer Fitting								
	40	" " " Nut								
	41	" " " Swivel								
	42									
	43	Booster Turret Valve Elbow								
	44									
	45									
8	46	Blower Fitting "BARCO"	1	632-A-18	ORD. IN P.D.	—	—	—	—	—
	47	" " Cap								
	48	" " Plug								
	49	" " Nut								
	50	" " "								
	51	" " Sleeve								
	52	" " "								
	53	" " Washer								
	54	" " Handle								
	55	" Valve Nut								
	56	" " Swivel								
	57	" Elbow								
	58	Blow-off Cock Nut								
	59	" " Swivel								
	60									
	61									

(Group 63 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—PIPE FITTINGS (Cont.)								
0	1	Coal Sprinkler Fitting	1 SET	EDNA TYPE-1922	ORD. IN P. D.	—	—	—	—	—
	2	" " " Nut	—							
	3	" " " Swivel	—							
	4	" " " Nozzle ✓								
	5	" " " Hose ✓								
	6									
0	7	GOVERNOR [redacted] Pipe Fitting (FOR OIL PIPE TO PASS THRU. CAB FRONT)	1	632-A-92	—	—	—	—	STICK BRASS	—
0	8	" " " " Nut	1	" " "	—	—	—	—	" "	—
0	9	CAB FRONT PIPE FLANGE { AIR PUMP OIL LINE	2 HALVES	632-E-400	1/2" O.D. COPPER PIPE	—	—	—	63-740	—
0	10	" " " " [redacted]" { POWER REVERSE LINE - AIR	2 HALVES	632-B-400	1/2" IRON PIPE	—	—	—	63-600	—
0	11	" " " " " " { POWER REVERSE LINE-STEAM	2 HALVES	633-B-8	3/4" " "	—	—	—	63-171	—
0	12	" " " " [redacted]" BLOWER LINES	4 HALVES	633-D-8	1 1/4" " "	—	—	—	63-168	—
0	13	" " " " " " [redacted] WATER COLUMN STEAM LINE	2 HALVES	633-N-8	1 1/2" O.D. COPPER PIPE	—	—	—	63-716	—
	14	" " " " " Swivel								
	15	" " " Bracket								
0	16	STEAM GAUGE ELBOW	1	632-A-112	—	—	—	—	63-298	—
0	17	[redacted]" Valve Nut " NUT	1	" " "	—	—	—	—	STICK BRASS	—
0	18	" " [redacted]" " SWIVEL	1	" " "	—	—	—	—	BRAZING METAL	—
	19									
	20	Dynamo Valve Nut								
	21	" " Swivel								
	22									
	23	Feed Cock Nut								
	24	" " Swivel								
	25	" "								
	26	Inj. Starting Valve Nut								
	27	" " " Swivel								
8	28	BLOWOFF COUPLING (ON DOME)	1	632-A-509	—	—	—	—	63-788	—
	29	Lubricator Valve Nut	—							
	30	" " Swivel	—							
8	31	" " FITTING (IN BACK HEAD)	1	632-~~A~~B-16	—	—	—	—	63-134	—
	32	Oil Cock Nut								
	33	" " Swivel	—							
	34									
	35	St. Gauge Cock Nut	—							
	36	" " " Swivel	—							
	37									
	38	Sander Valve Nut	—							
	39	" " Swivel	—							
	40									
	41	Water Gauge Valve Nut	—							
	42	" " " Swivel	—							
	43									
	44									
	45	Check Pipe Union	—							
	46	" " " Nut	—							
	47	" " " Swivel	—							
	48									
0	49	LUBRICATOR [redacted] Pipe Union AT AIR PUMP LINE	1	632-D-290	—	—	—	—	STICK BRASS	—
0	50	" " " Nut	1	632-D-290	—	—	—	—	" "	—
0	51	" " " Swivel	1	632-D-290	—	—	—	—	BRAZING METAL	—
	52									
	53	Inj. Steam Pipe Union	—							
	54	" " " " Nut	—							
	55	" " " " Swivel	—							
	56									
8	57	Oil Pipe Union (FOR EXTRA. LUBRICATOR PIPES	4	632-J-290	—	—	—	—	BRAZING METAL	—
8	58	" " " Nut	4	" " "	—	—	—	—	STICK BRASS	—
0	59	" " " Swivel	4	" " "	—	—	—	—	BRAZING METAL	—
	60	Manifold and Bracket	—							
	61									

(Group 63 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—Pipe Fittings (Cont.)								
	1	Pipe Union f SANDER VALVE	4	632-A-290					STICK BRASS	
	2	" " Nut " "	4	" " "					" "	
	3	" " Swivel " "	4	" " "					BRAZING METAL	
	4	" [redacted]								
	5	" UNION BELL RINGER	1	632-B-290					STICK BRASS	
	6	" " NUT	1	" " "					" "	
	7	" " SWIVEL	1	" " "					BRAZING METAL	
	8	" "								
	9	" "								
	10	" "								
	11	" Flanges								
	12	" "								
	13	" "								
	14	" "								
	15	" "								
	16	" "								
	17	" "								
	18	" "								
	19	" "								
	20	" "								
	21	" "								
	22	PIPE CLAMP PILOT BEAM R.S.	1	632-C-117	TRAIN LINE		63-301			
	23	" " CAP " " R.S.	1	632-F-348	" "			63-563		
	24	" " — ON CYLINDER R.S.	2	632-D-282	" "		63-227			
	25	" " CAP " " R.S.	2	632-F-348	" "			63-563		
	26	" " — 1ST COURSE R.S	1	632-D-56	TRAIN LINE BRAKE CYL. LINE		63-224			
	27	" " CAP " " R.S.	1	632-F-348	TRAIN LINE			63-563		
	28	" " " " " R.S.	1	632-A-348	BRAKE CYL. LINE			63-561		
	29	" " — UNDER RUN BOARD. R.S.	3	632-B-114	TRAIN LINE - BRAKE LINE & SUPPLY LINE		63-299			
	30	" " CAP " " " R.S.	3	632-F-348	TRAIN LINE			63-563		
	31	" " " " " " R.S.	3	632-A-348	BRAKE LINE			63-561		
	32	" " " " " " R.S.	3	632-C-348	SUPPLY LINE			63-562		
	33	" " — " " " R.S.	4	632-B-83	COOLING PIPES		63-271			
	34	" " CAP " " " R.S.	8	632-D-346	" "			63-566		
	35	" " — ON SMOKE BOX R&L	2	632-A-33	CROSS OVER LINE		63-94			
	36	" " CAP " " " R&L	2	632-A-273	" " "		63-110			
	37	" " 1ST COURSE & DOME COURSE R.S.	2	632-B-22	INJ. DELIVERY		63-138			
	38	" " CAP " " R.S.	2	632-B-22	" "		63-139			
	39									
	40									
	41	PIPE CLAMP BRACKET 1ST C. R.S.	1	632-E-116		632-E-116				
	42	" " " 1ST C. L.S	2	632-F-116		632-F-116				
	43									
	44									
	45									
	46	PIPE CLAMP 1ST & DOME COURSE L.S.	2	632-B-22	INJ. DELIVERY		63-138			
	47	" " CAP " " " L.S.	2	632-B-22	" "		63-139			
	48	" " — 1ST COURSE L.S.	2	632-A-364	AIR PUMP EXHAUST BLOWER			63-564		
	49	" " CAP " " L.S.	2	632-D-346	AIR PUMP EXHAUST			63-566		
	50	" " " " " L.S.	2	632-F-348	BLOWER			63-563		
	51	" " — UNDER RUN. BOARD L.S.	2	632-C-9	COOLING PIPES		63-84			
	52	" " CAP " " " L.S.	8	632-J-348	" "			63-546		
	53	" " ON FIRE BOX L.S.	2	632-A-33	BLOWER		63-94			
	54	" " CAP " " " L.S.	2	632-A-273	"		63-110			
	55									
	56									
	57									
	58									
	59									
	60									
	61									

(Group 63 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—Pipe Fittings (Cont.)								
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
	11									
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	41									
	42									
	43									
	44									
	45									
	46									
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	48									
	49									
	50									
	51									
	52									
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 64—Piping Arrangements								
P	1	Engine Piping Arrangement, R. S. 8 L.S.	1 SET	647-A-39	—	—	—	—	—	—
	2	" " " L. S.	—							
	3	" " " Sections	—							
P	4	Piping Arrangement Engine & Tender	1 SET	647-A-38	—	—	—	—	—	—
	5	Brake Governor Piping	—							
	6	Blower Piping	—							
	7	Booster "	—							
	8	Cylinder Cock Piping	—							
	9	Dead Engine Fixture Piping	—							
O	10	~~Feed Water Heater Piping~~ BARCO JOINTS	1 SET	642-B-2	STRAIGHT AIR	ORDER IN P.D.	—	—	—	—
O	11	~~Flange Oiler Piping~~ " "	1 SET	642-C-2	TRAIN LINE	ORDER IN P.D.	—	—	—	—
	12	Front End Brake Piping	—							
	13	Governor Drain "	—							
	14	Journal Cooling "	—							
	15	Oil Heater "	—							
P	16	Power Reverse "	1 SET	642-A-54	—	—	—	—	—	—
	17	Sander Piping	—							
	18	Steam Gauge Piping	—							
	19	" Heat "	—	X						
	20	Stoker "	—							
	21	Smoke Consumer "	—							
	22	Water Gauge "	—							
P	23	LUBRICATOR DRY PIPE ARR'G'T.	1 SET	642-A-4	—	—	—	—	—	—
	24									
P	25	FLEXIBLE JOINT MANIFOLD BRACKET	1	553-C-3	—	~~553-C-3~~ 55-A-16	—	—	—	—
P	26	" " " "	1	552-A-22	—	552-A-22	—	—	—	—
	27									
	28									
	29									
	30									
	31									
	32									
	33									
	34									
	35	**GROUP 65—PISTON & ROD**								
P	36	Piston	2	652-D-12 PAT. ONLY 653-C-7	CASTING ORD. IN P.D.	—	—	65-577	—	—
	37	" Follower	—							
P	38	" Bull Ring	2	652-D-13 PAT. ONLY 653-C-7	CAST'G ORD. IN P.D.	—	65-366	—	—	—
	39	" Tee Ring	—							
P	40	" Snap Ring "UNIVERSAL"	4	653-C-7	ORDER IN P.D. FROM LOCO. FIN. MAT'L. CO.	—	—	—	—	—
	41	" Plug	—							
P	42	" Rod FIT UP ROD R.&L. IN PISTON	2	653-C-7	MAT'L. ORD. IN P.D.	65-A-4	—	—	—	—
P	43	" " [redacted] NUT	2	653-C-7	$6\frac{1}{8}$" HEX. x $2\frac{3}{4}$" THICK FIN. SIZES		—	—	—	—
	44	" " " Guide	—							
	45	" " " Cover	—							
	46	" " Slide Back	—							
	47	" Spring	—							
	48									
	49									
	50									
D	51	Piston Rod Packing	1 SET	U.S. KING	ORD. IN P.D.	—	—	—	—	—
	52	" " " Gland								
	53	" " " Babbit Ring								
	54	" " " " "								
	55	" " " Split Ring								
	56	" " " Spring								
	57	" " " " Case								
	58	" " " Swab Cup								
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 66—PLUGS								
P	1	Plugs (SMOKE BOX)	1	662-A-53	—	—	—	—	66-194	—
P	2	Arch Tube Plugs	6	662 C 92	"HURON" ORD. IN P.D.	—	—	—	—	—
	3	" " "	—							
P	4	Cylinder Bushing Plug	4	662-A-5	—	—	66-94	—	—	—
	5	Ecc. Strap Plug	—							
	6	Filling "	—							
	7	Fusible "	—							
	8	Indicator " See I-27	—							
P	9	Peep Hole "	4	662-B-3	—	—	—	—	66-143	—
	10	Mud Drum "	—							
	11	Smoke Box "	—							
	12	Test "	—							
P	13	~~—~~ RELIEF VALVE PLUG	2	662-A-19	—	—	—	—	66-140	—
	14	" "	—							
	15	" " Flange	—							
	16	" " "	—							
P	17	Washout PLUG	21	662 B 93	"HURON" ORD. IN P.D.	—	—	—	—	—
	18	" "	—							
	19	Hand Hole "	—							
	20									
P	21	Pyrometer Plug	2	662-A-38	—	—	—	—	66-77	—
P	22	INDICATOR PLUG	4	662-A-4	—	—	—	—	66-95	—
	23									
	24									
	25	**GROUP 68—REVERSE LEVER**								
D	26	Reverse Lever	1 SET	ALCO	ORD. IN P.D.	—	—	—	—	—
	27	" " Handle	1							
	28	" " Latch	—							
	29	" " " Guide	—							
	30	" " " Rod	—							
	31	" " Quadrant	—							
D	32	POWER REVERSE HAND LEVER BRKT Support	1	682-~~A~~ B-165	MAT. ORD IN P.D	682-~~A~~ B-165	—	—	—	—
	33	" " " Block	—							
	34	" " Arm	—							
	35	" " Fulcrum	—							
	36	" " Foot Rest	—							
	37	" " Floor Cover	—							
	38	" " Latch Spring	—							
	39									
	40									
D	41	Power Reverse	1 SET	ALCO	ORD. IN P.D	—	—	—	—	—
P	42	" " Cylinder Support	1	682-A-32	—	—	—	68-110	—	—
	43	" " " " Brace	]							
	44	" " Screw Support								
	45	" " " " Filler Block								
	46	Screw Reverse								
	47									
	48									
	49									
	50									
	51									
	52									
	53									
	54	**GROUP 69—REVERSE SHAFT**								
P	55	Reverse Shaft	1	692-B-25	MAT'L ORD. IN P.D.	4" DIA. x 104" FIN. SIZES.	—	—	—	—
P	56	" " Arm RIGHT	1	692-A-21 PATT. ONLY, 692-B-25	—	—	—	69-340	—	—
P	57	" " " LEFT	1	692-A-20 PATT. ONLY. 692-B-25	—	—	—	69-341	—	—
P	58	" " " STOPS	2	692-A-19 PATT. ONLY. 692-B-25	—	—	—	69-342	—	—
P	59	" " " Counterbalance	1	692-B-25	—	—	—	69-344	—	—
P	60	" " Bearing	2	692-A-221	—	—	—	69-350-A	—	—
P	61	" " " CAP	2	" " "	—	—	—	69-349-A	—	—

(Group 69 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 69—Reverse Shaft (Cont.)								
	1	Reverse Shaft Bearing ~~Cap~~ BUSHING	4 HALVES	692-A-221	—	—	—	—	69-508	—
	2	" " " "								
	3	" " Counterbal. Rod	1	692-D-143	—	69-A-6	—	—	—	—
	4	" " " Spring	2	692-A-22	ORD. IN P.D.	—	—	—	—	—
	5	" " " " Seat	1	692-D-143	—	—	69-202	—	—	—
	6	" " " " Washer	1	692-D-143	—	—	69-202	—	—	—
	7	" " " " Casing	1	692-C-189	—	—	69-231-C	—	—	—
	8	" " " ~~Support~~ ROD PIN	1	692-D-143	—	—	—	—	—	—
	9									
	10									
D	11	Reach Rod	2	692-B-30	FURNISH PINS	69-A-13	—	—	—	—
D	12	" " (CAB TO REV. GEAR)	1	692-B-43	FURNISH RIVETS	692-B-43	—	—	—	—
D	13	" " (GEAR TO REV. SHAFT)	1	692-C-26	FURNISH PIN, NUT COTTER, DOWEL & BUSHING	69-D-7	—	—	—	—
	14	" "	—							
D	15	" " Jaws (CAB TO REV. GEAR)	2	FURNISHED WITH REV. GEAR (ORD. IN P.D.)			—	—	—	—
	16	" " "	—							
	17	" " Guide	—							
	18	" " " Bracket	—							
	19	" " Pin	—							
	20	" " "	—							
	21									
	22									
	23									
	24									
	25									
	26	**GROUP 70—ROCKER AND BOX**								
	27	Rocker								
	28	" Arm								
	29	" Box								
	30	" " Cap								
	31	" Pin								
	32									
	33									
	34									
	35									
	36	**GROUP 71—RUNNING BOARD**								
	37	Running Board COMPLETE	1 SET	716-A-25	PLATE MAT'L, ORD. IN P.D.	—	—	—	—	—
	38	" "								
	39									
	40									
	41	" " Edge	1 SET	716-A-25	MAT'L ORD. IN P.D.	—	—	—	—	—
	42	" " "								
	43	" " "								
	44	" " "								
	45	" " "								
	46	" " "								
	47	" " "								
	48	" " "								
	49	" " Bracket SMOKE BOX	2	712-A-151	—	712-A-151	—	—	—	—
	50	" " " " "	2	712-B-151	—	712-B-151	—	—	—	—
	51	" " " " "	2	712-C-151	—	712-C-151	—	—	—	—
	52	" " " ON RES. SUPPORT "F"	1-R 1-L	712-D-152	ANGLE. ORD. IN P.D.	—	—	—	—	—
	53	" " " " " " "B"	1-R 1-L	712-C-152	" " "	—	—	—	—	—
	54	" " " DOME COURSE	2	712-D-151	—	712-D-151	—	—	—	—
	55	" " " FIRE BOX R.H.	1	712-A-152	—	712-A-152	—	—	—	—
	56	" " " " " L.H.	1	712-B-152	—	712-B-152	—	—	—	—
	57	" " " ON FRONT OF CAB	2	712-E-152	ANGLE ORD. IN P.D.	—	—	—	—	—
	58	" " " FIRE BOX {BACK UNDER CAB	2	712-E-151	—	712-E-151	—	—	—	—
	59	" " Filler Blocks								
	60	" " " "								
	61	" " " "								

(Group 71 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 71—Running Board (Cont.)								
	1	Running Board Angle Supports								
	2	" " " "								
	3	" " " "								
	4	" " " "								
	5	" " " "								
	6	" " " "								
8	7	Side Sheet	1-R 1-L	712-A-17	MAT'L. ORD. IN P.D.	—	—	—	—	—
	8	" " Angle	—							
	9									
	10									
	11									
	12									
	13									
	14									
	15	**GROUP 72—RODS—Main & Side**								
8	16	Rods—Main FIT UP R. & L	2	723-D-9	MAT'L ORD. IN P.D.	72-A-30	—	—	—	—
8	17	Front Stub FILLING PIECE	2	723-D-9	MACHINE FROM STOCK	—	—	—	—	—
8	18	" " ~~Strap~~ LINER	2	723-D-9	$4\frac{7}{16}$" x 4" x $\frac{5}{8}$" THICK FIN. SIZES	—	—	—	—	—
8	19	" " Key	2	723-D-9	—	72-A-11				
8	20	" " Washer	2	723-D-9	3" DIA. x $\frac{3}{4}$" THICK FIN. SIZES	—	—	—	—	—
8	21	" " Brass FRONT HALF	2	722-F-4 PATTERN ONLY 723-D-9	CASTING ORD. IN P.D.	—	—	—	D.N. BRONZE 72-145	—
8	22	" " " BACK "	2	722-F-4 PATT. ONLY, 723-D-9	CASTING ORD. IN P.D.	—	—	—	D.N. BRONZE 72-145	—
8	23	" " KEY SET SCREW	2	723-D-9	—	—	—	—	—	—
	24	Main Stub	—							
8	25	" " Strap	2	723-D-9	MAT'L ORD IN P.D.	72-A-34	—	—	—	—
8	26	" " Wedge	2	722-A-26 PATT. ONLY 723-D-9	FOR HARD BRONZE PLUG	—	—	72-250	—	—
8	27	" " Filling	2	723-D-9	MACHINE FROM BAR STOCK	—	—	—	—	—
8	28	" " Brass FRONT HALF	2	722-K-11 PAT. ONLY 723-D-9	CASTING ORD IN P.D.	—	—	—	D.N. BRONZE 72-249	—
8	29	" " " BACK "	2	722-K-11 PAT. ONLY 723-D-9	CASTING ORD IN P.D.	—	—	—	D.N. BRONZE 72-514	—
	30	" " " Grooves	—							
	31									
	32									
	33									
	34									
8	35	Rods—Side—Front	1-R 1-L	726-C-3	MAT'L. ORD IN P.D.	72-A-33	—	—	—	—
8	36	Front Stub KEEPER BOLTS	2	726-C-3	—	—	—	—	—	—
8	37	" " ~~Strap~~ " " LOCK WASHERS	2	726-C-3	ORD. IN P.D.	—	—	—	—	—
	38	" " Key	—							
	39	" " Filling	—							
8	40	" " Brass	2	722-D-25 PAT. ONLY 726-C-3	CASTING ORD. IN P.D.	—	—	—	D.N. BRONZE 72-246	—
	41									
	42									
8	43	Rods—Side—Int.	1-R 1-L	726-C-3	MAT'L. ORD IN P.D.	72-A-32	—	—	—	—
8	44	Inter. Stub KEEPER BOLTS	2	726-C-3	—	—	—	—	—	—
8	45	" " ~~Strap~~ " " LOCK WASHERS	2	726-C-3	ORD. IN P.D.	—	—	—	—	—
	46	" " Key	—							
	47	" " Filling	—							
8	48	" " Brass	2	722-E-25 PAT. ONLY 726-C-3	CASTING ORD. IN P.D.	—	—	—	D.N. BRONZE 72-333	—
	49									
	50	Rods—Side—Main	—							
8	51	Main Stub	—	726-C-3	—	—	—	—	—	—
8	52	" " ~~Strap~~ KEEPER BOLTS	2	726-C-3	—	—	—	—	—	—
8	53	" " ~~Key~~ " " LOCK WASHERS	2	726-C-3	ORD. IN P.D.	—	—	—	—	—
	54	" " Filling	—							
8	55	" " Brass	2	722-B-24 PAT. ONLY 726-C-3	CASTING ORD. IN P.D.	—	—	—	D.N. BRONZE 72-245	—
	56									
	57									
	58									
	59									
	60									
	61									

(Group 72 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 72—Rods—Main & Side (Cont.)								
	1	Rods—Side—Back	1-R 1-L	726-C-3	MAT'L. ORD. IN P.D.	72-A-33	—	—	—	—
	2	Back Stub KEEPER BOLTS	2	726-C-3	—	—	—	—	—	—
	3	" " ~~Strap~~ " " LOCK WASHERS	2	726-C-3	ORD. IN P.D.	—	—	—	—	—
	4	" " Key	—							
	5	" " Filling	—							
	6	" " Brass	2	722-D-25 PAT. ONLY 726-C-3	CASTING ORD. IN P.D.	—	—	—	D.N. BRONZE 72-246	—
	7									
	8	Knuckle Pin	4	726-C-3	MAT'L. ORD. IN P.D.	FIN. SIZES. 4 1/4" DIA. X 5 7/8" LONG	—	—	—	—
	9	" " Bushing	4	722-K-5 PAT. ONLY 726-C-3	CASTING ORD. IN P.D.	—	—	—	D.N. BRONZE 72-248	—
	10	" " Nut	4	726-C-3	—	FIN. SIZES 4 5/8" HEX. X 1 1/8" THICK	—	—	—	—
	11	" " WASHERS	4	726-C-3	PLATE FIN. SIZES 6 1/2" DIA. X 1/4" THICK	—	—	—	—	—
	12	Side Rod Grease Grooves	—							
	13									
	14									
	15									
	16									
	17									
	18									
	19									
	20									
	21	**GROUP 73—SAND BOX**								
	22	Sand Box—Front FITTED UP COMPLETE	1	733-C-69	PLATE-MAT'L. ORD. IN P.D. FURNISH CHAIN & TAR PAPER	—	—	—	—	—
	23	" " —Back " " "	1	733-D-69	PLATE-MAT'L. ORD. IN P.D. FURNISH CHAIN & TAR PAPER	—	—	—	—	—
	24	Sand [illegible]—Front GRAB HANDLES	2	732-B-81	—	73-E-4	—	—	—	—
	25	" [illegible] —Back " "	2	732-B-81	—	73-E-4	—	—	—	—
	26	" "								
	27	" " Top RING FRONT=2 BACK=2	4	732-A-2	—	—	—	73-70	—	—
	28	" " Lid FRONT=2 BACK=2	4	732-A-16	—	—	73-94	—	—	—
	29	" " Valve RING FRONT=2 BACK=2	4	732-A-110	—	—	73-364	—	—	—
	30	" " " Seat FRONT=2 BACK=2	4	732-B-110	—	—	73-365	—	—	—
	31	" " Arm								
	32	" " Rod								
	33	" " Shaft								
	34	" " Lever								
	35	" " Rod Handle								
	36	" " Bracket								
	37	Air Sander	4	KING	ORD. IN P.D.	—	—	—	—	—
	38	SAND BOX WASHER-FRONT BOX-FRONT	4	732-J-17	2" HIGH	FOR FUTURE	73-82 85	—	—	—
	39	" " " " " -BACK	2	732-~~J~~ K-17	~~2~~ 2 1/8" "	—	73-~~82~~	—	—	—
	40	" " " " " "	2	732-H-10	2 1/4" "	—	73-96	—	—	—
	41	" " " -BACK BOX-FRONT	2	732-C-17	3" "	—	73-140	—	—	—
	42	" " " - " " - "	2	732-~~H~~ A-17	~~3 1/4"~~ 2 3/4" "	—	73-~~100~~ 371	—	—	—
	43	" " " - " " -BACK	4	732-~~C~~ J-17 10	~~3"~~ 2 1/2" "	—	73-~~140~~ 97	—	—	—
	44									
	45	WHISTLE ROD EYE BOLT OF BACK BOX	1	732-A-44	—	732-A-44	—	—	—	—
	46									
	47									
	48	**GROUP 75—SMOKE BOX**								
	49	Smoke Box Arrangement	—	SEE SUPERHEATER ARRANGEMENT. PAGE 48 ITEM 2						
	50	Deflecting Plate	1 SET	817-A-41	PLATE MAT'L, ORD. IN P.D.	—	—	—	—	—
	51	" " Angle	1	817-A-41	ANGLE ORD. IN P.D.	75-M-110	—	—	—	—
	52	" " Handle		SEE PAGE 48 ITEM 22						
	53	" " Nuts								
	54									
	55									
	56									
	57									
	58									
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	60									
	61									

(Group 75 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 75—SMOKE BOX (Cont)								
	1	Smoke Box Netting	1 SET	817-A-41	MAT'L ORD. IN P.D.	—	—	—	—	—
	2	" " " Door	1	817-A-41	—	320-S-350	—	—	—	—
	3	" " " Frame	1	817-A-41	—	320-S-350	—	—	—	—
	4	" " " " ~~Catch~~ ANGLE	1	817-A-41	TO SUIT	—	—	—	—	—
	5	" " " STUDS "Y"	18	753-A-7	—	753-A-7	—	—	—	—
	6	" " " ANGLE	1	817-A-41	—	75-D-17				
	7	DEFLECTOR PLATE	1	817-A-41	—	75-D-19				
	8	SMOKE BOX DAMPER ANGLE	1	817-A-41	—	75-A-16				
	9									
	10									
	11	Draft Pipe	—							
	12	" " Hanger	—							
	13	" " "	—							
	14	Tee Head Brace	—							
	15	Table Plate	—							
	16									
	17									
	18									
	19	Cinder Pocket	—							
	20	" " Cap	—							
	21	" " Clamp	—							
	22	" " Thumb Screw	—							
	23	" " Chute	—							
	24	" " " Bracket	—							
	25	" " Slide	—							
	26	" " " Guide	—							
	27	" " Wedge	—							
	28	Cleaning Hole Frame	2	752-A-116	—	—	75-617	—	—	—
	29	" " Cap & HANDLE	2	752-A-116	FURNISH & ATTACH NIAGARA CHAIN 14" LONG	—	75-618	—	—	—
	30	" " ~~Handle~~ EYE BOLT	2	752-B-38	—	752-B-38	—	—	—	—
	31									
	32									
	33									
	34									
	35									
	36									
	37	Smoke Box Brace	—							
	38	" " " Foot	—							
	39	" " " Pad	—							
	40									
	41	Smoke Box Front	1	753-~~H-5~~ F-72	PLATE ORD. IN P.D.	—	—	—	—	—
	42	" " " Door	1	753-~~H-5~~ F-72	PLATE ORD. IN P.D.	—	—	—	—	—
	43	" " " Liner	—							
	44	" " DOOR Hinges TOP	1	~~752-A-7 PAT. ONLY~~ 753-~~H-5~~ F-72	—	—	—	75-379	—	—
	45	" " " " BOTTOM	1	753-~~H-5~~ F-72	—	—	—	75-380	—	—
	46	" " " Lugs TOP	1	752-A-7 PATT. ONLY 753-~~H-5~~ F-72	—	—	—	75-373	—	—
	47	" " " " BOTTOM	1	752-A-7 PATT. ONLY 753-~~H-5~~ F-72	—	—	—	75-374	—	—
	48	" " " Buttons	20	752-A-9	—	—	75-383	—	—	—
	49	" " " ~~Hinge~~ HINGE PINS	2	753-~~H-5~~ F-72	FURNISH COTTERS	—	—	—	—	—
	50	" " " Clamp	—							
	51	" " " Crosstie	—							
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(Group 75 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 75—SMOKE BOX (Cont.)								
✓	1	Smoke Stack	1	754-R-2	—	—	75-619	—	—	—
	2	" " Base	—							
	3	" "	—							
✓	4	" " Extension	1	754-R-2	—	—	75-620	—	—	—
	5	" " Top	—							
	6	" " Cone	—							
	7	" " Spark Whirl	—							
	8	" " Netting	—							
	9	" " Cleaning Hole	—							
	10	" " " " Cap	—							
	11									
	12									
	13									
	14	**GROUP 76—SPRINGS**								
	15	Springs	—							
✓	16	Driving Spring—Front	2	762-A-14	ORD. IN P.D.	—	—	—	—	—
✓	17	" " —Int.	2	762-A-14	" " "	—	—	—	—	—
✓	18	" " —Main	2	762-A-14	" " "	—	—	—	—	—
✓	19	" " —Back	2	762-B-14	" " "	—	—	—	—	—
✓	20	" " CLIPS	16	762-A-14	ORD. IN P.D. WITH SPRINGS	—	—	—	—	—
	21	" "								
	22	Engine Truck Spring	—							
	23	" " "	—							
	24	Trailer Spring	—							
	25	Draft "	—							
	26	Coupler "	—							
	27	Buffer "	—							
	28	Centering "	—							
	29									
	30									
	31									
	32	**GROUP 77—SPRING RIGGING**								
✓	33	Spring Rigging	1 SET	776-A-51	FURNISH TAPER PINS KEYS, DOWELS & BUSHINGS	—	—	—	—	—
✓	34	Driving Box Saddle	6	772-A-16	—	—	—	77-87	—	—
	35	" " "	—							
	36	Equalizer—Front	—							
✓	37	" —Side FRONT	2	776-A-51	MAT'L. ORD. IN P.D.	77-A-58	—	—	—	—
✓	38	" ~~—Back~~ " BACK	2	776-A-51	MAT'L. ORD. IN P.D.	77-A-59	—	—	—	—
✓	39	" —Cross FRONT	1	776-A-51	—	77-A-11	—	—	—	—
✓	40	" ~~Fulcrum Cylinder~~ OVER BACK BOX	HR ~~2~~ RH HL	776-A-51	—	77-A-60	—	—	—	—
✓	41	" " " " "	LR ~~2~~ LH LL	776-A-51	—	77-B-60	—	—	—	—
✓	42	TRANSVERSE EQUALIZER SUPPORT	1	772-A-17	—	—	—	77-86	—	—
	43	" " —Trailer	—							
✓	44	" Link AT CROSS EQUALIZER	1	776-A-51	—	77-A-61	—	—	—	—
	45	" Safety Strap	—							
	46	" " "	—							
	47	Spring Fulcrum	—							
✓	48	" Gib	14	776-A-51	—	77-B-15	—	—	—	—
✓	49	" SEAT	2	772-A-18	—	—	—	77-85	—	—
✓	50	" SEAT	4	772-A-20	—	—	77-91 x 77-91	—	—	—
	51	" Guide	—							
✓	52	" Hanger	2	776-A-51	—	77-A-13	—	—	—	—
✓	53	" "	2	776-A-51	—	77-A-62	—	—	—	—
✓	54	" "	12	776-A-51	—	77-A-192	—	—	—	—
✓	55	" " LINKS	12	776-A-51	—	77-C-12	—	—	—	—
✓	56	" " "	8	776-A-51	—	77-D-12	—	—	—	—
	57	" "	—							
	58	" "	—							
	59	" " Block	—							
	60									
	61									

(Group 77 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 77—Spring Rigging (Cont.)								
	1	Spring Hanger Link PINS	10	776-A-51	—	77-B-28	—	—	—	—
	2	" " " "	2	776-A-51	—	77-D-28	—	—	—	—
	3	" " " "	2	776-A-51	—	77-C-28	—	—	—	—
	4	" " " "	8	776-A-51	—	77-A-24	—	—	—	—
	5	" ~~Roller~~ " "	2	776-A-51	—	77-A-26	—	—	—	—
	6	" ~~S~~ " "	2	776-A-51	—	77-F-28	—	—	—	—
	7	" " PIN	1	776-A-51	—	77-B-27	—	—	—	—
	8	" "								
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	34									
	35									
	36									
	37									
	38									
	39	**GR. 78—Stm. Gauge, Saf. Val. & Tur.**								
	40	Steam Gauge	1	6 3/4" ASHTON	ORD. IN P. D.	—	—	—	—	—
	41	" Turret	1	783-B-3	—	—	—	—	—	78-108
	42	" " Valve	1	783-A-5	—	—	—	—	—	78-113
	43	" " " Gland TOP	1	783-A-5	STICK BRASS	—	—	—	—	—
	44	" " " Neck	1	783-A-5	—	—	—	—	—	78-112
	45	" " " Nut BOTTOM	1	783-A-5	STICK BRASS	—	—	—	—	—
	46	" " " Handle	1	783-A-5	263-A-1 PAT. ONLY	—	—	—	—	26-65
	47	" " Joint Ring	1	782-B-8	—	—	—	—	—	78-114
	48	" " VALVE STEM	1	783-A-5	STEEL	—	—	—	—	—
	49	" " " " PACKING NUT	1	783-A-5	—	—	—	—	—	78-56
	50									
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(Group 78 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 78—Stm. Gauge, Saf. Val. & Tur. (Ct.)								
	1	Steam Turret Casing	—							
	2	" " " Hinges	—							
	3	" " " Hasp	—							
8	4	" " DRILLING	1 SET	782-A-144	—	—	—	—	—	—
8	5	LOW WATER ALARM	1	OHIO	ORD. IN P.D.	—	—	—	—	—
	6									
8	7	Safety Valve	3	ASHTON 3"	ORD. IN P.D.	—	—	—	—	—
8	8	" " Extension	3	782-D-54	—	—	—	—	78-201	—
	9	" " Turret	—							
	10	" " " Bushing	—							
	11	" " " Casing	—							
	12	" " " " Supports	—							
	13	" " " " "	—							
0	14	SAFETY VALVE FOR STEAM PIPE ON SMOKE BOX	1	1" CONSOLIDATED	ORD. IN P.D.	—	—	—	—	—
0	15	" " PACKING FLANGE	1	632-A-508	—	—	—	—	63-787	—
	16	**GROUP 79—STEAM PIPES**								
	17	Steam Pipes	—							
8	18	Steam Pipe—Right	1	793-~~A~~B-64	—	—	79-852-A	—	—	—
8	19	" " —Left	1	793-~~A~~B-64	—	—	79-853-A	—	—	—
8	20	" " - RIGHT (HEADER TO THROTTLE	1	793-A-65	—	—	79-854	—	—	—
8	21	" " - LEFT " " "	1	793-A-65	—	—	79-855	—	—	—
	22	" "	—							
	23	" "	—							
8	24	" " Joint Ring BETWEEN HEADER & DRY PIPE	1	792-B-5	—	—	79-565	—	—	—
8	25	" " " " TOP {BETWEEN HEADER & STEAM PIPE x	2	792-B-6	—	—	79-113	—	—	—
8	26	" " " " BOTTOM {BETWEEN CYL. & STEAM PIPE	2	792-B-4	—	—	79-113	—	—	—
8	27	" " " " TOP {BETWEEN STEAM x PIPE & THROTTLE	2	792-B-6	—	—	79-113	—	—	—
8	28	" " ~~Turret~~ TOP {BETWEEN THROTTLE & MAIN STEAM PIPE	2	792-B-6	—	—	79-113	—	—	—
8	29	" " Casing FLANGE RIGHT	2	793-B-6	—	—	79-540	—	—	—
8	30	" " " " LEFT	2	793-B-6	—	—	79-541	—	—	—
8	31	" " " ~~Clamp~~ PACKING GLAND	4	793-B-6	—	—	79-568	—	—	—
	32	" " Supports	—							
	33	" " "	—							
	34	" " " Strap	—							
	35	" " " " U-Bolt	—							
	36	" " Slip Joint Casing	—							
	37	" " " " Sleeve	—							
	38	" " " " Packing Rings	—							
8	39	" " CASING	2	792-A-7	PLATE MAT'L, ORD. IN P.D.	—	—	—	—	—
8	40	" " " CLAMPS	4	792-A-10	—	340-S-01	—	—	—	—
	41									
	42									
	43									
	44									
	45	**GROUP 80—STOKER**								
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(Group 80 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		~~GROUP 80 STOKER (Cont.)~~								
	1	GROUP 81 - SUPERHEATER								
ø	2	SUPERHEATER ARRANGEMENT	1 SET	817-A-41	—	—	—	—	—	—
ø	3	" HEADER	1	813-A-8	CASTING ORD. IN P.D.	—	—	—	—	—
ø	4	" " SUPPORT	2	~~812-A-39~~ 817-A-41	—	~~812-A-39~~ 81-C-8	—	—	—	—
	5	" "								
ø	6	" UNIT SHAPE #1	9	813-B-4	MAT'L. ORD. IN P.D.	—	—	—	—	—
ø	7	" " " #2	9	" " "	" " "	—	—	—	—	—
ø	8	" " " #3	9	" " "	" " "	—	—	—	—	—
ø	9	" " " #4	9	" " "	" " "	—	—	—	—	—
ø	10	" " TAGS	1 SET	STENCIL TO SUIT	—	—	—	—	—	—
ø	11	" " BOLTS	36	812-D-37	—	812-D-37	—	—	—	—
ø	12	" " " NUTS	36	812-A-82	—	—	—	—	—	—
ø	13	" " " WASHER	36	812-A-42	—	—	—	—	—	—
ø	14	" " CLAMP	72	812-A-44	—	—	—	—	—	—
ø	15	" " " WASHER	72	812-A-106	ORD. IN P.D.	—	—	—	—	—
ø	16	" " PIPE BAND	36	812-A-85	—	—	—	—	—	—
ø	17	" " " SUPPORT	72	812-A-84						
ø	18	" " " END	72	812-A-105						
ø	19	" " RETURN	1 SET	812-A-71						
	20									
	21									
ø	22	DEFLECTING PLATE HANDLE	6	753-A-7	—	75-A-15	—	—	—	—
ø	23	" " STUD "X"	23	812-A-51						
ø	24	" " CLAMP	8	812-B-51	—	FORGED SIZES 4"X2 1/4"X 3/4"	—	—	—	—
	25	SMOKE BOX								
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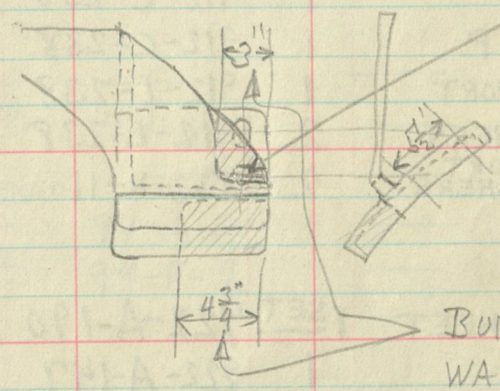
Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 83—TANK, ENGINE								
	1	Tank								
	2	" Material Bill								
	3	" Angle Iron								
	4	" Lifter								
	5	" Block								
	6	" "								
	7	" Wedge								
	8	" "								
	9	Tank Bearer								
	10	" "								
	11	Tank Funnel								
	12	" " Screen								
	13	" " Lid								
	14	" " Hinge								
	15	" " Handle								
	16	Tank Hand Hole								
	17	" " " Dog								
	18									
	19									
	20	Tank Equalizing Pipe								
	21	" " " Flange								
	22									
	23									
	24									
	25	Coa Bunk								
	26	" " Angle								
	27	" Gate								
	28	" " Latch								
	29	" " Handle								
	30	" Rack								
	31									
	32									
	33									
	34	**GROUP 91—Throttle & Dry Pipe**								
D	35	Throttle Valve Arrangement	1 SET	CHAMBERS	ORD. IN P.D	—	—	—	—	—
	36	Throttle Valve	—							
	37	" " Stem	—							
	38	" " " Casing	—							
	39	" " " Lever	—							
	40	" " " " Rod	—							
	41	" " " " " Jaw	—							
	42	" " " " Fulcrum	—							
	43	" " " " Pins	—							
	44	" " Crank	—							
	45	" Pipe	—							
	46	" " Ring	—							
	47	" " Yoke	—							
	48	Throttle Stuffing Box	—							
	49	" " " Gland	—							
	50	" " " "	—							
	51	" " " Ring	—							
	52	" Shaft	—							
	53	" " Arm	—							
	54	" " "	—							
	55	" Rod	—							
	56	" " Crosshead	—							
	57	" " Jaw	—							
	58	" " Pin	—							
	59	" " Support	—							
	60									
	61									



DRILL FOR 1" STUD ON 1088 ONLY. FOR FOTURE USE CARD 913-A-81 AS IT IS.

BURNED OUT TO CLEAR WASH OUT PLUG ON CO-1088 ONLY. WASHOUT PLUGS ARE TO BE REVERSED ON FUTURE ORDERS

(Group 91 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 91—Throt. & Dry Pipes (Cont.)								
D	1	THROTTLE ROD JAW	2	912-C-154	—	—	—	91-80	—	—
D	2	" " " PIN	2	912-C-154	—	350-S-279	—	—	—	—
D	3	" " "	1	912-B-200	—	912-B-200	—	—	—	—
	4									
D	5	THROTTLE STUFFING BOX CASING	1	912-A-279	—	—	—	—	—	—
D	6	" " " " CLIPS	3	912-A-279	—	—	—	—	—	—
D	7	" BOX SLEEVE	1	913-B-63	—	—	91-580 A	—	—	—
D	8	" " " GLAND	1	913-B-63	—	—	91-581	—	—	—
D	9	Throttle Lever ARRANGEMENT IN CAB	1 SET	BRADFORD CORP. CD. NO.	CHAMBERS ORD. IN P.D.	—	—	—	—	—
D	10	" " Handle	1	" "	" " "	—	—	—	—	—
D	11	" " Latch	1	" "	" " "	—	—	—	—	—
D	12	" CASE " ~~Spring~~ SUPPORTING U-BOLT	1	912-F-240	—	912-F-240	—	—	—	—
D	13	" " " ~~Guide~~ " BOLT	1	912-H-240	—	—	—	—	—	—
	14	" " " Rod	—							
D	15	" " Quadrant	1	BRADFORD CORP. CD. NO.	CHAMBERS ORD. IN P.D.	—	—	—	—	—
	16	" " [redacted]	—							
D	17	" " [redacted] SUPPORT	1	913-A-81	—	—	—	91-676	—	—
D	18	" " [redacted] FULCRUM	1	FUR. BY CHAMBERS	ORD. IN P.D.	—	—	—	—	—
D	19	" " [redacted] LINK	1	FUR. BY. CHAMBERS	ORD. IN P.D.	—	—	—	—	—
D	20	" ROD — FRONT SECTION	1	912-M-237	—	912-M-237	—	—	—	—
D	21	" " BACK "	1	912-N-237	—	912-N-237	—	—	—	—
	22									
D	23	Dry Pipe	1	912-J-34	MAT'L. ORD. IN P.D.	—	—	—	—	—
	24	" " Elbow	—							
D	25	" " Front End	1	912-A-33	—	—	—	91-361	—	—
	26	" " SL	—							
D	27	" " Sleeve	1	912-A-32	—	—	—	91-360	—	—
D	28	" " Support	1	138A58	FURNISH BOLTS.	91A23	—	—	—	—
D	29	" " ~~Yoke~~ CLAMP	1	138A58	—	91A24	—	—	—	—
	30	" " " Key	—							
D	31	" " Clamp	2	912-F-14	—	91-E-7	—	—	—	—
D	32	" " Joint Ring	1	912-B-12	—	—	79-567	—	—	—
	33									
D	34	THROTTLE EQUALIZING LEVER	1	912-K-117	FURNISH BUSHINGS	912-K-117	—	—	—	—
D	35	" " " FULCRUM	1	912-A-295	—	—	—	91-677	—	—
D	36	" " " PIN	1	912-A-295	FURNISH SPLIT KEY	91-B-103	—	—	—	—
	37									
D	38	THROTTLE ROD BEARING	1	912-C-238	—	—	91-494	—	—	—
D	39	" " " CAP	1	912-C-238	—	—	91-493	—	—	—
D	40	" " " SUPPORT	1	912-L-238	—	912-L-238	—	—	—	—
D	41	" " " WASHERS	2	912-L-238	2" DIA. HIGHT TO SUIT SHOP	—	—	—	—	—
D	42	" " " SUPPORT WASHERS	2	532-R-11	—	—	53-460	—	—	—
	43									
	44	GROUP 92—TOOLS								
D	45	~~Blank~~ TOOL EQUIPMENT SHEET	1 SET	922-A-190	ORDER IN P.D. AS NOTED	—	—	—	—	—
D	46	Coal Pick	1	922-A-147	—	922-A-147	—	—	—	—
	47	" Scoop	—							
	48	Crosshead Block	—							
D	49	Chisel—Cape	1	922-F-130	—	922-F-130	—	—	—	—
D	50	" —Flat	1	922-A-130	—	922-A-130	—	—	—	—
	51	Fire Rake	—							
	52	Flag—Green	—							
	53	" —Red	—							
	54	" —White	—							
D	55	Hard Hammer ([redacted] SOFT (COPPER)	1	922-A-137	HANDLE ORD. IN P.D.	—	—	—	—	—
	56	Lantern—White Hand	—							
	57	" —Red "	—							
	58	Main Pin Blocks	—							
D	59	SQUARE BAR	1	922 C-136	—	922-C-136	—	—	—	—
D	60	JACK "	2	922-D-136	—	922-D-136	—	—	—	—
D	61	CLINKER BAR	1	520-S-43	—	520-S-43	—	—	—	—

(Group 92 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 92—TOOLS (Cont.)								
	1	Oil Can—Long Spout Oiler	—							
	2	" " —Engine Oil	—							
	3	" " —Valve "	—							
	4	" " —Signal "	—							
	5	" " —Kerosene Oil	—							
	6	Packing Hook	1	922-B-136	—	520-S-44	—	—	—	—
	7	" Spoon	1	922-A-136	—	520-S-45	—	—	—	—
	8	Pinch Bar 520-S-47	1	520-S-47	—	520-S-47	—	—	—	—
	9	Jackscrews BASE	2	922-A-10	—	—	—	92-14	—	—
	10	" TOP	2	922-A-10	—	—	—	92-13	—	—
	11	" SCREW	2	922-A-10	—	92-A-4	—	—	—	—
	12	Torpedoes	—							
	13	Valve Stem Block	—							
	14	Waste								
	15	Wrench— CROSS HEAD WRIST PIN & CRANK PIN NUTS (I&B)	1	922-N-126	—	922-N-126	—	—	—	—
	16	" — SIDE ROD KNUKLE PIN	1	922-A-8	—	—	—	92-11	—	—
	17	" SUPERHEATER UNIT CLAMP BOLT	1	922-B-122	—	922-B-122	—	—	—	—
	18	ASH HOE	1	922-A-129	—	922-A-129	—	—	—	—
	19	SLICE BAR	1	922-A-135	—	922-A-135	—	—	—	—
	20	SPECIAL WRENCHES (J.H.WILLIAMS)	1 SET	922-R-12	ORD. IN P.D.	—	—	—	—	—
	21									
	22	**GROUP 94—Valves, Distribution**								
	23	Piston Valve COMPLETE	2	943-A-39	ORDER COMPLETE IN P.D.	—	—	—	—	—
	24	" " Follower	—							
	25	" " T-Ring	—							
	26	" " Snap Ring	—							
	27	" " Body	—							
	28									
	29	Slide Valve	—							
	30	" " Plate	—							
	31	" " Packing Strip	—							
	32	" " " "	—							
	33	" " " Spring	—							
	34	" " " "	—							
	35									
	36									
	37	Valve Rod	1-R 1-L	942-E-20	—	94-A-5	—	—	—	—
	38	" " Key	—							
	39	" " Knuckle	—							
	40	" " Pin	2	942-E-20	MAT'L. ORD. IN P.D.	—	—	—	—	—
	41	" " Crosshead	2	942-A-10	STEEL CASE HARDENED	94-A-3	—	—	—	—
	42	" " " BUSHING	4	942-A-10		—	—	—	—	—
	43	" " " KEY	2	942-A-10	MAT'L. ORD. IN P.D.	94-A-4	—	—	—	—
	44	Valve Stem	2	942-J-11		94-F-2	—	—	—	—
	45	" " Bushing	—							
	46	" " Guide	—							
	47	" " Clamp	—							
	48	Valve Yoke	—							
	49									
	50									
	51									
	52	Valve Stem Packing	1 SET U.S. KING		ORD. IN P.D.					
	53	" " " Gland								
	54	" " " Babbit Ring								
	55	" " " " "								
	56	" " " Split Ring								
	57	" " " Spring								
	58	" " " " Case								
	59	" " " Swab Cup								
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 95—WHEELS								
✓	1	Driving Wheel Center No. 1 FRONT	2	953-L-16	—	—	—	95-270	—	—
✓	2	" " " No. 2 INT.	2	953-L-17	—	—	—	95-271	—	—
✓	3	" " " No. 3 MAIN	2	953-L-15	—	—	—	95-269	—	—
✓	4	" " " No. 4 BACK	2	953-L-16	—	—	—	95-270	—	—
	5	" " " No. 5	—					95-270	—	—
✓	6	" " Hub Liner F. I. & B	6	952-U-5	MAT'L. ORD IN P.D. STEEL PLATE	—	—	—	—	—
✓	7	" " Tire—Flanged	8	952-A-108	ORD. IN P.D	95-M0-108	—	—	—	—
✓	8	" " ~~Tire~~ HUB LINER MAIN	2	952-V-5	MAT'L. ORD. IN P.D. STEEL PLATE	—	—	—	—	—
	9	" " " Ret. Ring	—							
✓	10	Wheel Pressed on Axle (Tons)		LIMA STD.						
✓	11	DRIVING WHEEL HUB LINER APPLICATION F. I. & B.	6	952-E-39	—	—	—	—	—	—
✓	12	" " " " "	2	952-F-39	—	—	—	—	—	—
	13	Trailing Wheel Center	—							
	14	" " Hub Liner	—							
	15	" " Tire	—							
	16	" " " Ret. Ring	—							
	17	Wheel Pressed on Axle (Tons)	—							
	18									
	19	Wheel—Engine Truck	—							
	20	" —Pressed on Axle (Tons)	—							
	21	**GROUP 96—WHISTLE**								
✓	22	Whistle TYPE 963-A-1070	1	NATHAN	ORD. IN P.D.					
	23	Whistle Bell	—							
	24	" Valve	—							
	25	" Gland	—							
	26	" Nut	—							
✓	27	" ~~Sleeve~~ RIGGING {MAKE NEW CD. FOR FUTURE ACT LOCATING IN BACK OF CAB SEE ELEVATION}	1 SET	962-A-110	FURNISH PINS BOLTS & COTTERS	—	—	—	—	—
✓	28	" Monkey Tail	1	962-D-37 ← 962-A-118	—	962-D-37	—	—	—	—
✓	29	" Lever	1 ✓	~~962-C-56~~	—	~~96-B-52~~ 962-A-118	—	—	—	—
✓	30	" " ~~Fulcrum~~ SHAFT BEARINGS	1-R 1-L	962-A-110	—	—	—	—	96-77 R.H. 96-80 L.H.	—
✓	31	" Arm {OFFSET 10" FOR FUTURE SEE ELEVATION}	1	962-A-110	—	96-A-63	—	—	—	—
✓	32	" Shaft	1	962-A-110	MAT'L. ORD. IN P.D. 1" DIA. X 69 3/4" LONG	—	—	—	—	—
	33	" " Bearing	—							
	34	" " "	—							
✓	35	" Rod	1	962-A-110	JAWS WELDED TO 3/8" IRON PIPE	420-S-152	—	—	—	—
	36	" Rope Handle	—							
	37	" " Eye	—							
	38	" " Thimble	—							
	39	" Sheave	—							
	40	" " Box	—							
✓	41	" Elbow COMPLETE	1	962-A-108	FURNISH PACKING FOR VALVE STEM	—	—	—	96-174	—
✓	42	" ~~Elbow~~ BONNET	1	962-~~C~~-109	—	—	—	—	96-175	—
✓	43	" " VALVE	1	962-E-109	STICK BRASS	—	—	—	—	—
✓	44	" " " STEM	1	962-F-109	STEEL	—	—	—	—	—
✓	45	" " " NUT	1	962-D-109	STICK BRASS	—	—	—	—	—
✓	46	" " GLAND	1	962-B-109	STICK BRASS	—	—	—	—	—
✓	47	" " " PACKING NUT	1	962-A-109	STICK BRASS	—	—	—	—	—
✓	48	" " HANDLE	1	262-B-120	ORD. IN P.D.	—	—	—	—	—
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Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 97—Prelim. Designs & Proposi'n	—							
	1									
	2									
	3									
	4	**GR. 98—Clear. & Wheel Base Diag'm**	—							
	5									
	6									
	7									
	8	**GROUP 99—MISCELLANEOUS**			EPD 10/24/47					
	9	Billet List	1 SET	992-A 217 ~~190~~	MAT'L. ORD. IN P.D.	—	—	—	—	—
	10	Booster								
	11	Booster King Pin Arrangement								
	12	" " " Ball Seat								
	13	" " "								
	14	" " " Washer								
	15	" " " Spring								
	16									
	17									
	18	Booster Throttle								
	19	" " Support								
	20	" " " Brake								
	21									
	22	Booster Pilot Valve Bracket								
	23	" Timing Reservoir Bracket								
	24									
	25									
	26	Booster Live Steam Elbow								
	27	" " " Joint Ring								
	28	" " " " "								
	29	" " " "Y"								
	30	" " " Flanges								
	31									
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	35									
	36	Booster Live Steam Joint Rings								
	37									
	38									
	39									
	40									
	41									
	42									
	43	Booster Live Steam Choke(Prelim. Valve Line)								
	44	" " " " (Lubricator)								
	45	" " " " Swivel								
	46	" " " " " Nut								
	47	" " " " (Steam Gauge Line)								
	48	" " " " Swivel								
	49	" " " " " Nut								
	50	" " " " (At Steam Gauge)								
	51	Booster Exhaust Pipe Elbow								
	52	" " " Coupling								
	53	" " " " Flange								
	54	" " " " Joint Ring								
	55	" " " " Sleeve								
	56	" " " " "								
	57	" " " " " Flange								
	58									
	59									
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Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 99—Miscellaneous (Cont.)								
	1	Booster Guide Bracket	7							
	2	" " "								
	3	" " Rod								
	4	" " " Clamp								
	5	" " "								
	6	" " " Clamp								
	7	" " Pin								
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	54	Speed Recorder Rigging								
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(Group 99 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 99—Miscellaneous (Cont.)								
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Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 99—Miscellaneous (Cont.)								
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Material Specifications